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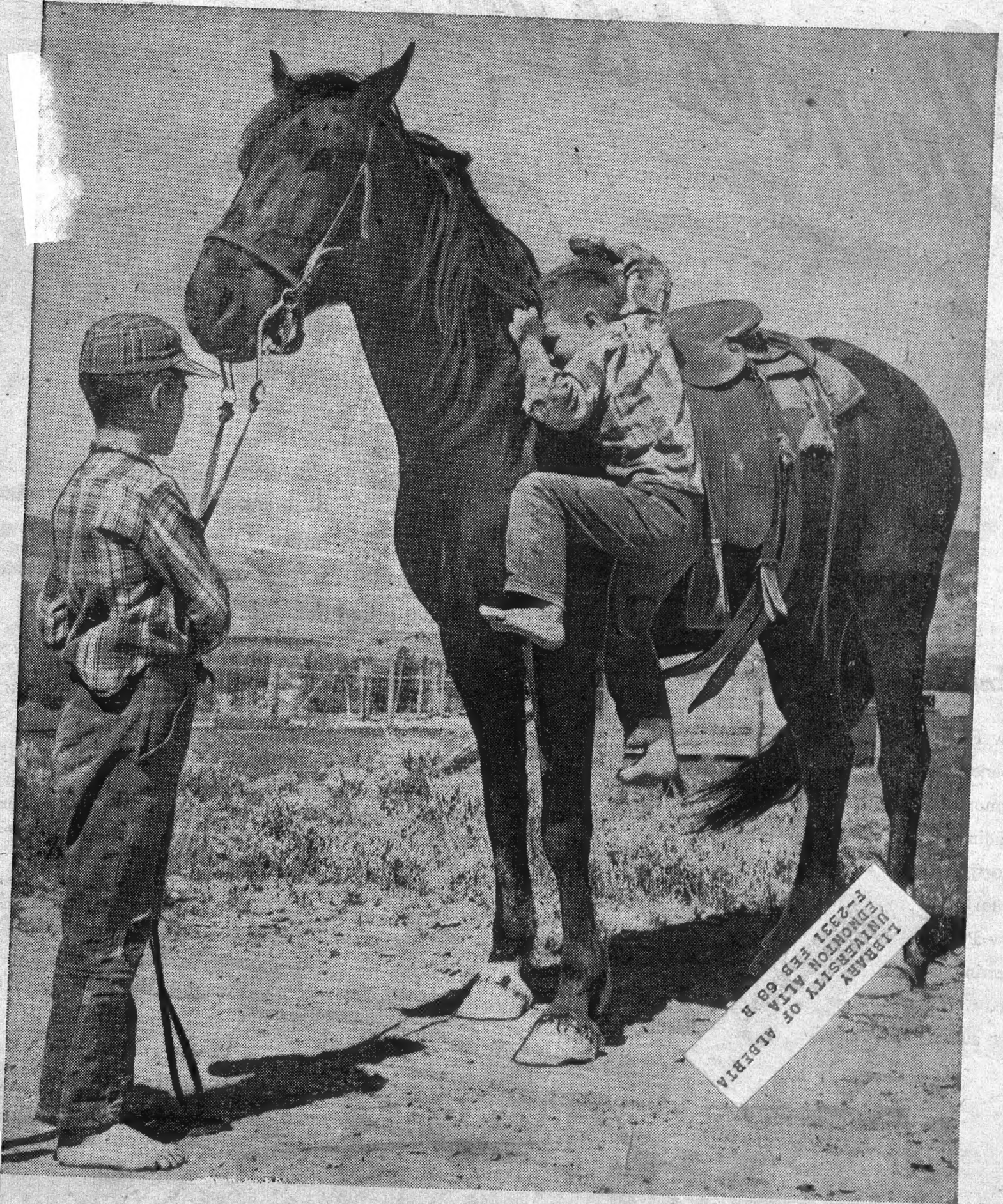
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*Dr. Hester*  
135

# Farm and Ranch REVIEW

MAY, 1953



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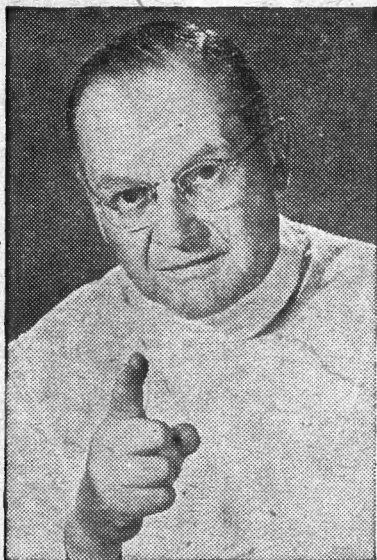
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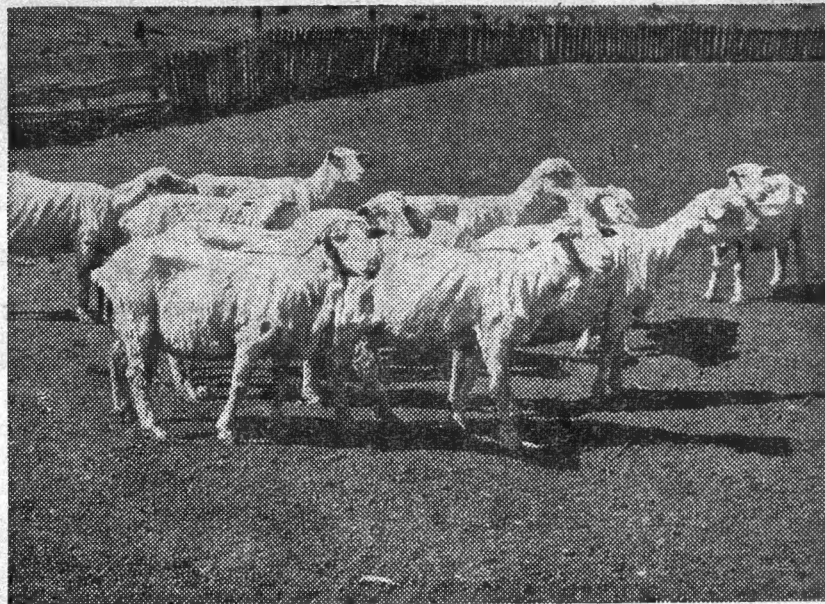
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Canada.

## Temper the Wind!



(Photo by Richard Harrington.)

## The Farm and Ranch Review

Graphic Arts Bldg., Calgary, Alberta

Vol. XLIX

Founded in 1905 by Charles W. Peterson

No. 5

James J. Gray, Editor

P. Peterson, Advertising Manager

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## Big Crops

A World Food Situation Re-  
port for 1952/53 has been  
issued by the United States  
Office of Foreign Agricultural  
Relations. The Report says  
world food supplies are at  
record high levels.

Production exceeds all past  
record for several of the major  
commodities, including wheat,  
rice, meats and citrus fruits, ac-  
cording to the Report. "On the  
whole", it states, "the 1952/53

production of the major commo-  
dities, which contributes about  
80 per cent of the total food  
supply, is estimated at three per  
cent above 1951/52 and nine  
per cent above the pre-war aver-  
age, while the world population  
has increased to about 13 per  
cent above pre-war".

\* \* \*

Cattle numbers in the United  
States are now estimated at 93  
million. Two years ago the  
number was 82 million.

## Correction

There was an unfortunate typographical error in our last issue in the article by John R. Atkinson on pasture grass mixtures. The article stated that 12 pounds of alfalfa seed per acre could be sown without danger of bloat. This, naturally, should have been 1/2 — one-half — pound per acre.

THE EDITOR.

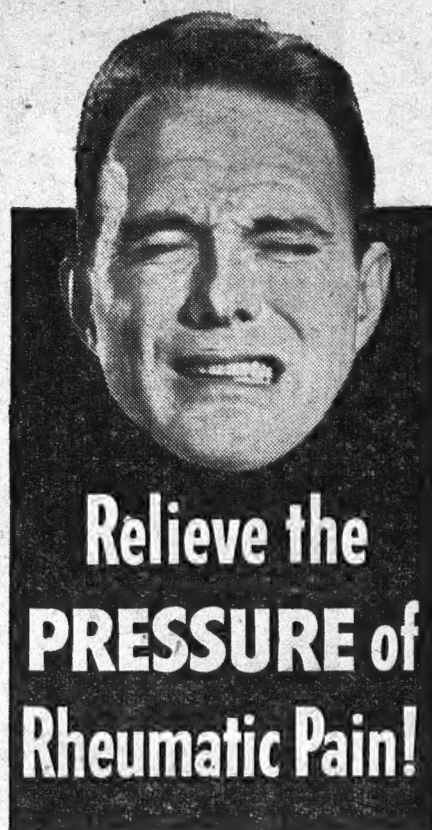
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Get Absorbine Jr. today. Only  
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# What makes a toaster get hot, Daddy?



"Resistance makes a toaster get hot. When you try to push your way through a door and Jim resists you or tries to push you back, you get hot. And when electricity tries to push its way through some metals, they resist and get hot too. The wire in toaster elements is made of a mixture of nickel and chromium, and gets hot just like the filament in an electric light bulb."



"Why doesn't it melt, Dad?"

"Wire made of some metals like iron would burn away in a second. In the early days they had trouble finding a metal that would last. Certain nickel alloys heat up very quickly, and can stay very hot over long periods of time without scaling or warping. That's one of the reasons why nickel from Canadian mines is so much in demand."



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# The Farm and Ranch Editorial Page...

## We agree to sell at \$2.05

## They agree to buy at \$1.55

**I**F the British Government had signed the International Wheat Agreement, what obligations would it have assumed? It would only have assumed one, to buy its quota of wheat, if that wheat were offered to it, at \$1.55 per bushel. When the Canadian government signed the International Wheat Agreement, what obligations did it assume. Only one — to deliver its quota of wheat at \$2.05 if this quota was requested.

This, surely, must be one of the simplest, most straight forward, most easily understood international pacts ever devised and put on paper. Yet it seems to have aroused endless confusion, both in Canada and abroad. The comments we have seen lead us to assume the truth of one or the other of these propositions:

1. We have all become so bemused by the complexities of the atomic age that our minds can no longer grasp simple facts, or;

2. There is a deliberate effort afoot to stir up both confusion and dissension over the International Wheat Agreement.

Perhaps, eventually, the answer will come out in the wash. In the meantime, let's spell out the workings of the agreement a little more.

All the talk, all the writing about the agreement, both here and in Britain, has been concerned with the \$2.05 ceiling price.

Everybody seems to assume that there is only one price — the \$2.05 ceiling price and that is what all the I.W.A. wheat will be sold for. So there is a lot of concern overseas because of inability to pay \$2.05.

But there is nothing in the agreement that will force the British, or anybody else, to pay \$2.05 a bushel for a single bushel of wheat. At that price, the compulsion is on the seller to sell, not on the buyer to buy. It is not until the offering price drops to \$1.55 a bushel that buyers are compelled to buy. Similarly, the exporting countries are not compelled to sell any wheat until the price goes to \$2.05.

This is not an agreement to establish an international fixed price for the world wheat trade. Rather it is an agreement to assure international free trade in wheat within a price range that the agreeing nations feel would be fair to both sides. It is an effort to avoid the boom-bust-boom-bust cycle in the world's most vital food.

Importing countries and exporting countries agree that extremely low prices and extremely high prices are harmful to both. When prices fall far below the cost of production, it encourages importing countries to impose tariffs and other restrictions on wheat imports to protect their agriculture. When prices skyrocket the importing countries are compelled to switch their agricultural land

into wheat from more suitable and profitable crops. A collapse of world wheat prices would create as dire a crisis for the importing countries as it would for Canadian farmers.

It was because of the general acceptance of these facts that the idea of an International Wheat Agreement was introduced. At the same time, it was also agreed that the establishing of a single price would be impractical. So the floor-ceiling formula was devised.

It was argued, at the conference, that with the huge available supply of wheat in the world today, the price would be more likely to go down than to go up. The weight of the surplus would prevent booming wheat prices. So they argued that the ceiling should be lower. But if the British and the others were right, it doesn't matter what the ceiling is — whether it is \$2.05 or \$4 or \$5. Wheat won't be sold at the ceiling.

Naturally, of course, Canada will hope to sell all the wheat it can at \$2.05 or higher. The importing countries will hope to buy it for less. There is wide scope for bargaining and supply and demand will govern what the actual price will be. If we can sell our wheat at \$2.05, well and good. If we have to sell it at \$1.55 — at least we will be saved from the ruin that engulfed us in the dirty thirties.

What must concern western farmers about all the protesting about the \$2.05 ceiling price is this: Was this figure used as an excuse for not signing the agreement? Were the British, for example, doing all their talking about the ceiling and all their thinking about the floor? Did they stay out of the agreement not because they were afraid of the ceiling price, but because they hoped, by staying out, to force the price of wheat down below the \$1.55 floor level?

Perhaps, in the months that follow, developments may provide answers to these questions.

## A load of nonsense from the Ontario C.C.F.

**O**RDINARILY, the Farm and Ranch hasn't paid much attention to the C.C.F. As a political movement, it has been going nowhere but down hill. Except for Saskatchewan, where it drew decisive aid and comfort from the Tories, it has made no headway at all with Prairie farmers. So, there were usually too many things of more importance that needed attention for us to devote much time to the C.C.F.

But there is a national election coming up this fall. The C.C.F. will be running as many candidates as it can persuade to stand for a lost cause in the West. Most of them will lose their deposits. But in many ridings there will be sufficient votes wasted on C.C.F. candidates to affect the results. Members will be elected by minorities of electors. All this impels us to make a comment or two on a statement made in Toronto recently by Mr. E. B. Jolliffe, the Ontario C.C.F. leader.

Mr. Jolliffe is quoted as saying that there was a significant conversion of Canadian farmers to the C.C.F. for farmers were coming to realize that only the C.C.F. could solve the country's farm problems. Political lead-

ers are notoriously given to self-deception. Yet even with that allowance, Mr. Jolliffe was talking nonsense.

The reason why the C.C.F. has failed to attract any substantial interest among the farmers is simple. It is the political arm of the eastern Canadian and western city trades unions. Where the interests of the farmers clash with those of the unions, the C.C.F. either ducks into hiding or, if it looks safe, takes its stand on the side of the unions.

The Vancouver elevator strike is a case in point. This strike to close the elevators on Saturdays is so ridiculous that even the C.C.F. trades union leaders have maintained a discrete silence. But the interests of Prairie farmers are being damaged every day the strike continues. So what do the C.C.F. politicians suggest? They want the government to take over the elevators in order to rescue the unions from the logical penalty for their blundering. They want pressure to be brought to bear upon the elevator companies, including the farmer-owned Wheat Pool, to compel a settlement.

But what about pressure on the union? What about compelling the union to retreat from its outrageous demand? Who among the C.C.F. politicians, including Mr. Jolliffe, is making that demand? Nobody, for no C.C.F.'er would for a minute consider antagonizing any union or union leader, even when the union is completely in the wrong. In a way, this was the greatest chance the C.C.F. ever had to demonstrate its interest in the welfare of the farmers. That it allowed the chance to pass is simply further evidence that the C.C.F. is completely dominated by the trades unions.

Yet, despite all this, a good many prairie farmers will again, we suppose, fritter away votes on C.C.F. candidates. In doing so, they will be losing their votes, even if, here and there, a C.C.F. candidate is elected. In fact, the successful candidate will be a worse loss than a losing candidate. He will take his place in the far reaches of the opposition benches next to the Social Crediters. Together, these splinter groups represent 100-proof waste of time, money and energy. The election of C.C.F. and Social Credit seat warmers is surely the ultimate in futility. It's surely a queer commentary on our democratic process when the supporters of such candidates lose most when their candidates are elected to Parliament.

# Farm and Ranch Editorials

## This Grain Exchange effort falls flat on its face

WE see by the papers that a crisis is currently embroiling Monte Carlo. It seems that rival gambling impresarios are struggling to gain control of the casinos and everybody concerned is perturbed about it all.

This, strangely enough, reminds us that the Winnipeg Grain Exchange is distributing another pamphlet in the hope of luring Prairie farmers back to the Monte Carlo system of marketing their wheat. The pamphlet, as might be expected, is badly done. So its affect will be the same as those that have gone before. To wit: nil.

So, ordinarily, we wouldn't waste too much time on it. However, the thing has a certain fascination in that it is a superb example of the Grain Exchange propaganda technique. That can be described as the argument by half truth and the non-sequitar. It scatters facts around in the hope that the farmers will draw conclusions friendly to the Exchange.

There is the statement, for example, "In 1928-29 there were no delivery quotas and farmers were able to deliver their whole crop as they chose and receive payment without delay." The implication is that we could escape from quotas by a return to the futures market; that the Wheat Board system

is responsible for quotas. That's plain silly. In the last 23 years farming methods have been revolutionized by the tractor. To kick that one full of holes farmers have only to cast their minds back to those years, and compare the time it takes now with what it took then to get a crop off.

Or there's the sheer lunacy that in the United States there is a "free market". The pamphlet compares Montana prices with Saskatchewan prices, indirectly. That's like comparing caviar to beans. The bulk of the U.S. crop is consumed in the U.S. Because of the fact, the Americans can and do operate a parity price system that prevents the American price of wheat falling below a certain figure.

Four-fifths of our wheat has to be sold abroad, to customers since the war who have only been able to buy it because American taxpayers have provided them with the necessary money. We were able to sell our wheat because it was priced at a level at which the American government was prepared to give away money with which our customers bought it.

Then there's the statement that the Wheat Board does not itself ship or export any grain. This is the most curious state-

ment in the whole pamphlet. The reason the Wheat Board does not ship or export grain is because, as an act of charity to keep Grain Exchange members on the dole, it pays these members commissions to do the shipping. Never in history have these members had it so good!

The Wheat Board may not be an exporter, but it makes it possible for the international houses who sell wheat abroad, to operate more efficiently, at less cost, than ever before. The Wheat Board puts wheat into position where it is available for buyers any place in the world. It can organize the flow of grain so that the right grades and quantities are always in the right place at the right time. It does this in a single operation which, in the old days, had to be done in a dozen different steps. It has been the provision of this service for our wheat customers that has enabled us, in part at least, to sell large quantities of wheat in markets never sold before. The knowledge that wheat would always be available enabled exporters to go into these markets and make deals.

Why do we take so much space to emphasize things that most of our farmers know? Because, since 1929, a new generation of farmers has taken over many of our farms. It is a generation that did not have to go through a lifetime of dependence on the futures market. We hope that they will study this Grain Exchange pamphlet carefully, and then go and get the facts. In reading it they might do well to recall a rejoinder kids make when they get into an argument:

"Aw, your saying it doesn't make it so!"

## Look at the real trouble the Communists are in now

THERE'S an expression in popular usage that underlines a curious quirk in human beings. The expression is:

"Don't tell ME your troubles!"

Most of us, who stew and fret and worry and feel sorry for ourselves because of the troubles that afflict us tend to overlook the fact that the other fellow is in the same boat. And that's true whether the trouble is on the lonely personal or international level. All this is made abundantly clear by the course of Russian policy since the death of Premier Stalin. The Russians, and the international Communist conspiracy, are up to their ears in trouble.

The death of Stalin has done more than remove the titular head of the Russian state. It has obliterated a symbol which had a great unifying force for the Communist movements the world over. The things that divide French Communists, German Communists and Russian Communists are much more potent than the things which unite them. That is true of all the Communist parties-throughout the world.

The one fact which held them together, which enabled them time after time to correct their "nationalist" errors and purge themselves and get back into the "correct" line was the existence of Joseph Stalin.

Stalin was the last survivor of a small group of men who had staged a revolution. He had, moreover, by a record of butchery unequalled even by Hitler, solidified his per-

sonal control of the Communist party and the Russian state. Not even his oldest friends or closest relatives were spared in his persecutions.

He was, for as long as he lived, the epitome of Communist virtue and the greatest of these is utter ruthlessness. That is the basis of Communist morality. It is something that it is important to understand.

The second point about Stalin was that he survived. He won out in a long struggle against abler men, he survived the terrible famines that resulted from the war against the Russian peasants, and the pact with Hitler. He survived a war in which his country was only saved by foreign intervention. He was the one man in the world with whom other Communist leaders could not argue. He was the successful revolutionary. He had done what the rest only hoped to do.

Compared to him, who is George Malenkov? An upstart who did not even take part in the revolution; a stooge for the great man. Scattered throughout the world are a host of men who must consider themselves at least the equal to Malenkov. He reflects no aura of invincibility. They won't stand for being pushed around by Malenkov the way they took it from Stalin.

What we are seeing now, in the churning of Russian policy, in the scores of queer flip-flops, is the beginning of a long struggle for succession. Once a revolution is successful, it becomes an impossibility to un-

seat the revolutionists. They know how revolutions are made and hence know how to prevent them. But as their movements age, so do their leaders. Death comes to them all until at last the originals are all gone. Then begins the process of disintegration.

This has been the pattern of all revolutions. The Cromwellian revolution could not long survive his death. When the American revolution ran through its revolutionary leaders the country became enmired in endless difficulties. Two French revolutions tell the same story. So does the Chinese revolution of Sun Yet Sen.

Have the Russian Communists found some magic means by which they alone can escape from history? We think not. We would look, within the next half decade, for a gradual withering away of the weaker international arms of the Communist conspiracy. Inside Russia, the tendency should be, if history repeats itself, for leadership to be continually weakened rather than strengthened. In other words, our guess is that the Communist tide has passed its peak and will be receding from now on.

All this does not mean that the threat of another world war has been removed by Stalin's death. It could work out the other way, that Malenkov or his successor might well be driven to embark on some dangerous adventure abroad in order to escape from real trouble at home. Nevertheless, to borrow a phrase from Karl Marx himself, the seeds of destruction that dwell within every society should soon be starting to sprout in Russia.

# See here, you B.C. growers your apples make me sick!

By ARTHUR MENKEN

**Y**OU don't have to be very long in the tooth to remember the good McIntosh apples we used to get from B.C. I am thinking of the kind that started late in the fall; — the Kiwanis Club timed their "Apple Day" in the cities to get the first shipment of choice grade "Macs". They were still a little tart, but prime for eating nevertheless, not like the sour green ones they usually have to start with now.

B.C. packers knew how to store apples 15 years ago. They knew the best stage for picking and when to put each variety on the market. The "Macs" were choice eating from late fall till well after Christmas, with Delicious apples overlapping the last half of their period. Then we could get good, crisp, natural flavored Winesaps till way on in the spring, with other kinds still good for cooking.

This year we paid over \$5.00 per box for "Macs" that were poor eating at best; and still the box of fancy grade Green we got just after Christmas were still green except for an unnatural looking deep red patch on one side. These apples were green under the skin, too, and starting to soften around the core. They were the "best" apples on the market here in January.

Now isn't it time to debunk some of the current chatter about modern "technology" and "know how" and the wonderful things they are doing to safeguard and improve our fruit products? We should get down to a little old-fashioned common sense in this fruit handling business before the B.C. industry completely kills the prairie market with high prices and poor handling.

With packing and distribution costs taking a \$4.50 bite out of a \$5.00 box of apples, it is no time to put out a half size or "junior" box! Lumber is scarce out here and the uses of apple boxes are many and wonderful to behold; but we don't want our lumber in the form of extra apple boxes at 50c each.

Away back in pre-war days there was a common expression — "The customer is always right". Many a business man kept repeating that slogan while he pulled himself out of the depression and back on to his feet. Many of us hoped to see that old saying make a comeback. Now the customer has been wrong for so long that he has quit trying; he stands it as long as he can and then he quietly quits buying. But prairie customers want B.C. apples if they can get them fit to eat at a price they can afford; so let's start a "suggestion box", a half-size

apple box will do, and no better use could be made of one. Let's direct our suggestions to the growers, packers, transporters, and retailers who wish to keep on selling B.C. fruit to the Prairies.

To start with here are a few ideas which might help to keep B.C. apples in our cellars: Cut out the chemical sprays for artificial coloring. They may fool the eye, but they disappoint the palate. If the present craze for technology was followed to its logical end, you would develop an artificial flavoring process to match the artificial color. That would be the finishing touch.

Don't spend time and money fooling around with chemicals which will stop molds and fermentation in storage. Use your efforts in getting back to better storage, like you must have had 15 years ago. Molds and rots are your customers' best protection against poor handling. Furthermore our foods are so sterile now that we have to see the doctor about once a year to be treated with \$7.00 worth of mold in the form of Penicillin.

Depend on good storage instead of picking apples green as grass. We will never learn to like that sawdust tang that gets more noticeable each year.

Introduce an "Orchard Pack" or "Family Pack" where we can find, in one box, a mixture of a few fancy quality apples to pick out for display when company comes, some good, plain eating apples and a lot of good cooking apples. Funny as it may seem, that is the way we use them, and the fancy pack is far too expensive.

If you must have two sizes of boxes get out a "Jumbo box" and use it two ways. Use it for graded apples so the storekeeper can break bulk for apartment dwellers; and use it for a real family size order of the "Orchard Pack" — one that is worth lugging down to the cellar.

Throw out the half-size box as an extravagance in packing — a merchandising frill that will help kill your trade in the long run. Salvage one and send it to the Farm and Ranch Review for our suggestions. We might save the prairie market for your apples in spite of everything; but seriously, B.C., you have slipped a lot in the last 15 years.

—o—

A neat trick with soup: crumble a little Canadian Cheddar or Blue-veined Roquefort-type cheese on hot cream of mushroom soup for a special distinctive flavour.



## How these helping hands do get around!

(Can you guess whose they are?)



Someone you know may have helped set up a new shopping centre like this in your community. That someone might be anyone who owns life insurance — probably you. For part of every premium paid by policyholders is invested in ways that result in new stores, homes, highways, apartments, power plants and similar developments.



The policyholder plays a part in creating jobs too. This is a by-product of other investments of his life insurance dollars which help develop many different business enterprises. Result: jobs for thousands of workers — including, perhaps, himself.



Again, in this medical research laboratory, you'll find the life insurance policyholder's helping hands at work. You and your family may live longer, healthier lives because some of this money aids science's study of polio, heart diseases, processes of ageing and child health.



Even the financial security which the life insurance owner provides for his family is also a service to his fellow citizens. For, if anything happens to him, his family is less likely to be a financial burden to others.

*In all these ways, the people who own life insurance—probably including you—are helping to make Canada a better land to live in!*



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## Real School Pony



Pal is one school pony who really likes going right into the school. He is owned by Kathleen Watt but the girl in the picture is Elaine Ford. The picture was sent in by Lauriene Ford, Saltcoats, Sask.

## What about your pasture? It can make you money

By H. B. STELFOX,  
Dominion Experimental Farm, Lacombe

THE real value of good pasture is not widely appreciated among Western farmers. Pasture is usually relegated to the poorest land on the farm and little effort is made to improve it. Yet land devoted to pasture should be some of the most profitable land on the farm. Productive pasture can produce a higher yield of total digestible nutrients per acre than a 50-bushel barley crop, while the cost of production may only be one-fifth as great.

Even under irrigation, returns from pasture have been as high, and in some instances higher, than from specialized crops.

Most livestock men are keenly aware of the importance of cutting down production costs, but many do not appreciate that one of the most practical ways of doing it is to keep their pastures productive and to make the maximum use of pasture throughout the entire grazing season.

There are several different types of pasture, each of which may have a place in a pasture program. They are usually classed as follows: (1) a permanent and semi-permanent pastures, (2) pastures in the farm rotation, and (3) supplementary pastures.

### Permanent Pastures

Permanent and semi-permanent pastures include seeded pastures, which are left down for indefinite periods, and native pastures. They constitute by far the largest proportion of the land now being used for grazing in Alberta. They are also the ones most frequently neglected and abused — suffering from

overgrazing, which usually results in an invasion of pasture weeds, and from a low level of fertility.

For pastures which are rough and untillable, chemical control of pasture weeds and improvement of fertility by applying manure and commercial fertilizer are the only practical ways in which the pastures can be improved. Western snowberry, often referred to as buck brush, is one of the most prevalent weeds in native and other permanent pastures. Excellent control of this weed has been obtained at the Lacombe Experimental Station by spraying at the bud stage of growth with 2,4-D at the rate of one pound (acid equivalent) per acre.

A follow-up application, on any regrowth made the next year, at one-half the original rate has resulted in complete eradication in most cases. Silver-leaf willow and certain other shrubby plants which occur in native pastures can also be controlled in this manner. Some shrubs, such as the rose bush, are more resistant to 2,4-D but can be effectively controlled with 2,4,5-T or a mixture of 2,4-D and 2,4,5-T.

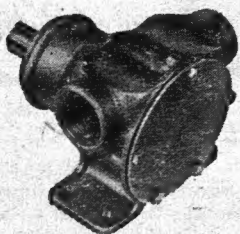
The use of commercial fertilizer and barnyard manure offers considerable promise as a means of pasture improvement, particularly in the park belt and wooded soil regions where moisture conditions are more favorable than in the prairie region. Nitrogen is the fertilizer element that is most likely to boost the carrying capacity of permanent grass pastures.

However, the phosphorous content of many Alberta soils is low

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and on such soils fertilizers containing both nitrogen and phosphorous are likely to be more beneficial than straight nitrogen fertilizers. Most of our peat soils are very deficient in phosphorous and pastures on such soils show a pronounced response to fertilizers with a high phosphorous content. Sulphur is an important fertilizing element on the grey wooded soils of west and north-central Alberta for pastures which contain a legume.

#### Big Returns

An indication of the value of commercial fertilizer in rejuvenating a permanent grass pasture in the park belt area is demonstrated by results obtained at the Lacombe Station during 1952. Various fertilizer treatments were applied early in the spring to an old brome-grass-Kentucky bluegrass pasture located on a light, sandy loam soil. Ammonium phosphate 16-20 applied at a rate of 370 pounds per acre increased the pasture yield from 740 to 2,280 pounds of dry matter per acre.

Computed on the basis of potential butter-fat production the increased yield was worth \$35.11, leaving a net return of \$21.05 per acre after the cost of the fertilizer had been deducted. Applications of 140 and 400 pounds per acre of ammonium nitrate produced net returns of \$16.42 and \$27.32 respectively when the pasture yield increases were computed on a similar basis.

Barnyard manure can be of considerable value for increasing production from permanent pastures. It should be applied evenly at a rate of 10 to 15 tons per acre. On many farms manure is allowed to accumulate indefinitely whereas it could be returning handsome dividends on those worn-out pastures.

Although the renovation of permanent pastures by surface cultivation, with or without re-seeding and fertilization, has met with fair success, complete re-establishment of these pastures is usually the most successful.

The sod could be ploughed deep and immediately worked down and reseeded. However, if the pasture contains troublesome perennial weeds it would be advisable to graze it until mid-June, then break it and fallow for the remainder of the season.

Seeding could be done after freeze-up in the fall or early the following spring. In the seedling year pasturing should not start until the new stand has got well established and then it should be done very leniently.

The selection of a pasture mixture for seeding down is very important. A grass-legume mixture is preferable to grass alone since the legume will increase the carrying capacity and there is less tendency for the stand to become sod-bound. Only well adapted species and varieties of grasses and legumes should be used.

The rate of seeding of the legume should be such that the proportion of legume in the pasture herbage will not be greater than 50 per cent and preferably about 40 per cent. If alfalfa is the legume being used in a pasture mixture it should be seeded at not more than 3 pounds per acre.

The choice of grass species to be used is also important in helping to maintain the proper proportion of legume to grass in the mixture. Grasses such as orchard grass, brome-grass, creeping red fescue and intermediate wheatgrass which grow rapidly and provide considerable competition to the alfalfa throughout the growing season are the best grasses for this purpose in the various parts of Alberta in which they are adapted. Timothy and crested wheatgrass are less satisfactory since they tend to become dormant during hot, dry summer weather and legume growth is likely to predominate in the mixture at that time.

Sweet clover, alsike clover, red clover and white clover can also be used effectively in pasture mixtures in the areas where they are particularly adapted. Since most of them are short-lived and soon disappear unless natural reseeding occurs, they should be used in pastures of short duration or in mixtures which also include alfalfa.

#### Pasture Management

(1) Harrowing pasture fields to spread droppings ensures more uniform production and utilization of pasture herbage. This practice is also beneficial where farmyard manure has been applied, particularly where it has been spread unevenly.

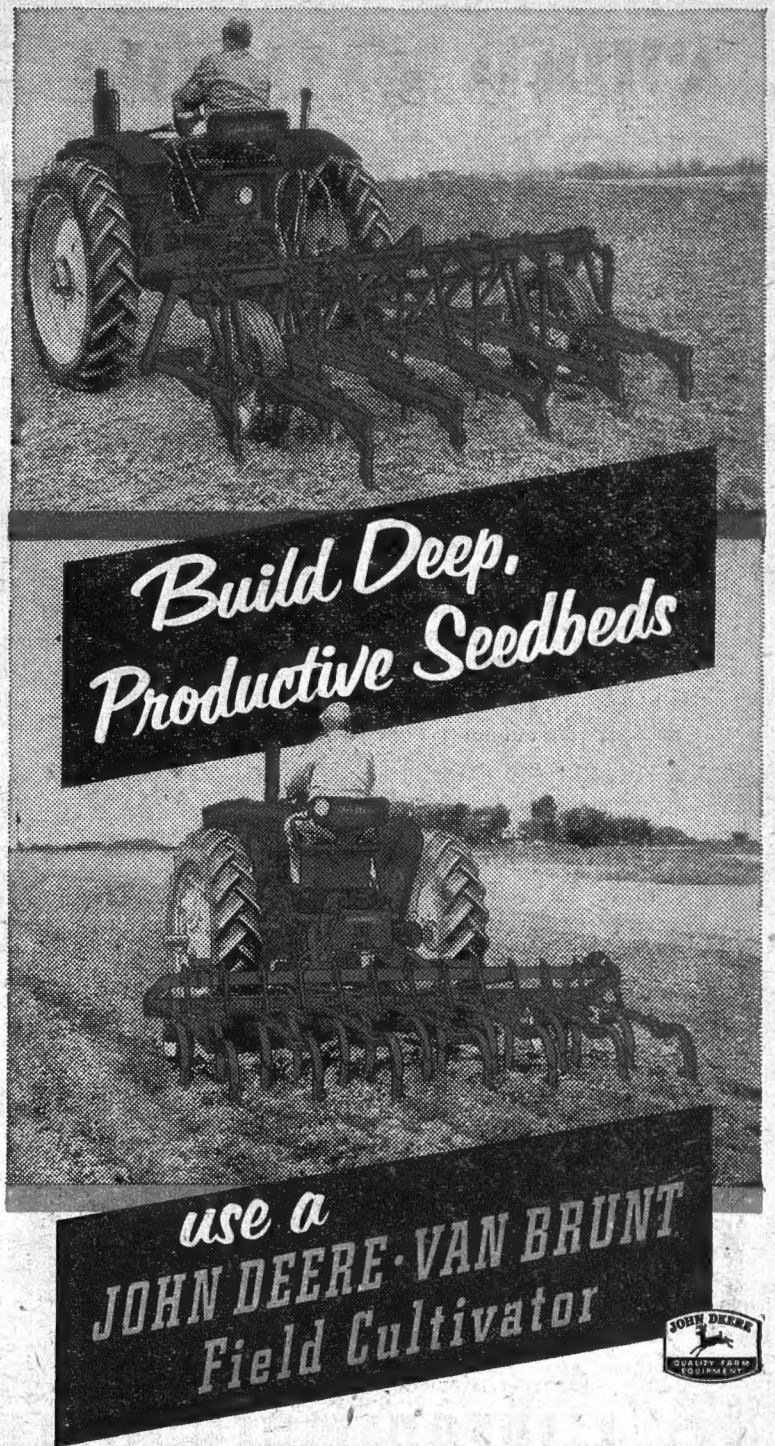
(2) Periodic clipping of mature growth results in better utilization of the pasture and may be helpful in controlling weeds.

(3) Some form of rotational grazing is preferable to continuous grazing—grass and legume plants benefit from a rest period. Two or more pastures should be provided so that grazing can be alternated between them.

(4) Overgrazing should be avoided at all times but particularly early in the spring and during September. Severe grazing early in the spring may seriously reduce the seasonal production from pasture while overgrazing in the fall weakens the plants resulting in loss of stand and vigor through winter-killing and winter injury.


(5) Rodents, particularly gophers, should be kept under control when numerous, they reduce pasture yields and their burrows are a hazard to stock.

(6) Bloat should be guarded against at all times. The most practical bloat-preventative measure is to maintain from 50 to 60 per cent of grass in the herbage mixture. If pure stands of legumes or mixtures containing a high proportion of legume are to be pastured special precautionary measures should be taken.



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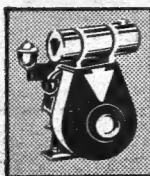
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## Britian, Canada and the recent wheat story

By LEONARD D. NESBITT

THE experience of the past four years would appear to justify the statement that the great majority of wheat producers in the prairie provinces of Western Canada favor the International Wheat Agreement. The present agreement expires on July 31st next and a renewal of a three-year period seems imminent. The participating governments have until July 15th to ratify the new act.

At the time this is being written Great Britain has refused to participate in any renewal of the agreement claiming that the maximum of \$2.05 a bushel, basis 1 Northern wheat at Fort William, is too high a price. The British would have come up to \$2.00 a bushel but the United States, having reduced its demand from \$2.50 to \$2.05, would not come down any further.

Wheat producers on Canada's prairie provinces must be disappointed at the decision of the British government. Great Britain is the world's largest wheat importing nation. Her average imports run at around 220 million bushels a year and the quota allotted to her is 177 million bushels a year. Britain needs to import 76 per cent of her wheat requirements.

The progress of agriculture on the prairie provinces was gained mainly through the production of wheat. Nature designed their fertility-storing, moisture-deficient soils for grain growing and the world's need for wheat provided the further incentive required. Over three years two-thirds of the cash income of Saskatchewan farmers comes from wheat. In Alberta over half of the farmers' cash comes from wheat.

Great Britain has always been the main customer for the surplus wheat produced in Canada's prairie provinces. The first shipment thereto was made in 1877 and since then billions of bushels of prairie wheat has nourished the British people.

The following table shows the exports of Canadian wheat to Britain over the past 13 years together with Canada's total exports in those years.

The arguments of the British delegates to the wheat conference at Washington were: the prices of most commodities are on the decline and wheat should follow suit; there is a huge surplus of wheat in the world today and it is ridiculous to think of a price increase in view of that situation; the operations of the present agreement have tended to maintain wheat prices and the ceiling price has actually become the floor price; Britain and other wheat importing nations are trying to re-establish their economy and dollars are exceedingly scarce; Britain would prefer the risks of the market rather than bind themselves to the three-year agreement at a maximum price of \$2.05 a bushel and a minimum price of \$1.55.

Since the Corn Laws were abolished over a century ago Great Britain has been obsessed with the idea of providing ample food at the cheapest price for the teeming millions of people. She has now a population of over 50 million crowded into an area of 94,000 square miles. After extending the utmost efforts only sufficient home-grown food can be produced to feed 30 million people.

### Huge Cost

World War 2 cost the British \$30 billion or one-quarter of the total national wealth as at 1939. That nation had to cash \$4.5 billion in overseas investments the annual returns from which had previously helped to pay for food and other imports. The British external debt was increased to a total of \$13.5 billion. Great Britain became a debtor nation, a humiliating descent from her previous high position as the world's creditor nation. Her adverse trade balance in 1946 was \$540 million.

Since the end of the war Great Britain has been struggling desperately to avoid bankruptcy. Canada has always realized the need of having a strong and prosperous Great Britain in this troubled world. For that reason substantial financial help was extended to the British by this country during and after World War 2.

	Exports to Britain bu.	Total Canadian Exports bu.
1939-40	132,573,619	192,674,368
1940-41	191,333,812	231,206,246
1941-42	149,772,990	225,828,434
1942-43	150,231,312	214,700,902
1943-44	114,521,912	343,755,320
1944-45	147,923,412	342,945,515
1945-46	151,491,294	343,183,000
1946-47	160,983,093	242,858,280
1947-48	160,707,275	194,982,343
1948-49	151,728,317	232,329,335
1949-50	130,284,776	225,137,000
1950-51	101,556,266	241,830,000
1951-52	127,510,391	356,100,000
Total	1,870,618,469	3,387,530,743

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Russia's Position  
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Outright gift .....	\$1,000,000,000
Mutual aid account .....	1,870,978,000
1942 loan .....	700,000,000
Purchase of British interest in war plants .....	207,000,000
Purchase of British-owned securities .....	992,000,000
1946 loan .....	1,250,000,000
Paid Britain's share in air training .....	425,000,000
Voluntary contributions by Canadians .....	35,290,490

The \$700 million loan given the United Kingdom in 1942 did not bear interest during the war. The voluntary contributions of cash and supplies were made between September, 1939, and March 31st, 1949.

### The Contracts

After the end of World War 2 the Canadian government entered into a wheat agreement with the British government to supply 600 million bushels of wheat over a four-year period commencing 1946. For each of the first two years 160 million bushels was to be supplied at \$1.55 a bushel basis 1 Northern at Fort William. The price for each of the third and fourth years, when 140 million bushels a year was to be supplied, was left indefinite but consideration was to be given to the price range prevailing for the first two years of the contract.

It happened that the United States farm policy increased prices for wheat during the first two years of the contract so the price for the last two years was raised to \$2.00 a bushel plus a 6 cent a bushel carrying charge. At the end of the contract the Canadian government asked for a further payment but this was refused. Our government then decided to contribute \$65 million from the federal treasury to permit additional returns to producers.

Under the agreement the British took 631,500,000 bushels of wheat, the cost being \$1,090,000,000. Actually the British only paid \$118 million in cash. Money was obtained from a Canadian loan of \$1¼ billion to Britain to pay for the wheat supply for the first two years of the contract. In the third year the 140 million bushels supplied to Great Britain was paid for from United States funds under the Marshall plan, at the request of the British government. In the fourth year the United States provided \$175 million for the same purpose.

Since then Great Britain has been a substantial purchaser of Canadian wheat under the International Wheat Agreement. It is believed that she still will get the bulk of her wheat supplies from Canada even if she does not participate in the agreement.

Britain may seek other sources of supply, mention being made of Soviet Russia as being one of them. Actually Soviet Russia needs every bushel of wheat she can produce for her own people. It is possible, however, that the

rulers of Russia might consider the supplying of a substantial quantity of wheat to Great Britain to be a shrewd diplomatic stroke in the Cold War.

In 1930 when the Russian people were going on extremely short rations, the rulers of that country actually exported 112 million bushels of wheat in order to get funds to purchase machinery and tools for the extensive industrialization program then underway. She might do it again.

I do not believe, however, that Great Britain would deliberately imperil the intimate relations between Canada and herself by such an action. As the foregoing information points out Canada has been a loyal and considerate supporter of the Mother Country in the darkest years Great Britain has ever experienced. Unquestionably the British people and the British government are highly appreciative of the unswerving support of the Canadian people.

Great Britain is the one firm citadel of democracy in Europe. Her sense of history gained through centuries of experience is urgently needed in the world today. Great Britain is the world's greatest market for surplus food products. Her economic recovery is of vital importance to the food exporting nations. Without the British market the Canadian prairie provinces would be in a bad way. Surely these two nations, bound together by long enduring ties of common interests, can reach some agreement to continue this vitally important trade!

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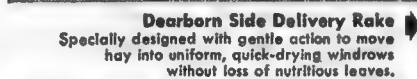
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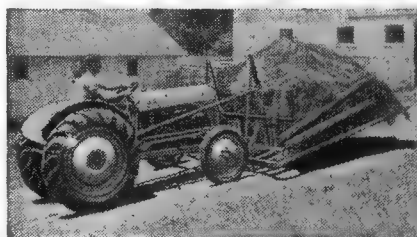
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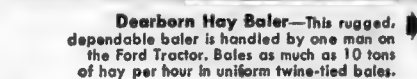
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## Remember your first tractor? Here's how it was changed!

By J. R. MONTGOMERY,  
Massey-Harris Co. Ltd.

LOOKING at those sleek beauties in many Canadian farmyards, it is difficult to realize that a brief generation ago, a tractor was viewed with suspicion and judged second to the trusty horse in a reliability contest.

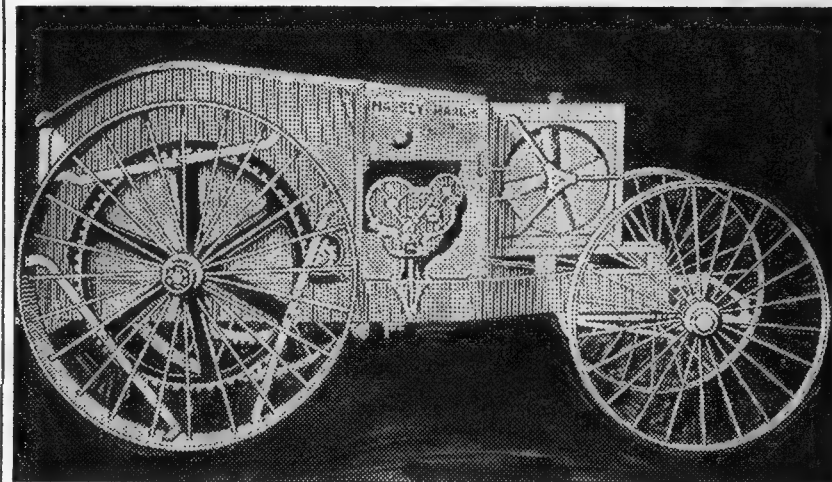
Early tractors were slow, cumbersome affairs. Hard to steer, hard to start, uncomfortable to ride and operate, with top speeds of from 2½ to 4 miles per hour and the farmer who purchased a tractor at this stage, did so to increase his prestige in the community rather than speed up his operation.

braska tractor tests. The main objective of this bill was to require each tractor model to be tested before it could be sold within the State.

The enactment of the tractor legislation was met with mixed emotions among the tractor manufacturers. Few approved the idea at first, yet the Nebraska test is used today as a main point in tractor sales. In addition, the setting up of the Nebraska tests has certainly influenced the development of tractors to the present state of performance.

The early-day tractor was slow — 2½ to 4 miles per hour.

### Early Tractor



He maintained almost the same number of horses and horse-drawn equipment, because he could not depend on the tractor. The lack of dependability of tractors was the basic reason for initiating the Nebraska tests.

In the years during and following World War I many companies entered the tractor field and in order to sell their products in the limited market of that time, they often made extravagant claims concerning the power and performance of their machines.

Seldom, if ever, did these claims attain fulfillment in the farmers' fields. The Western Plains states: Nebraska, Kansas, the Dakotas, etc., were used as proving grounds for tractors and also as a primary market. Numerous farmers suffered investment losses when their tractors failed to perform in accord with the widely published representations of the manufacturers.

#### First Tests

Nebraska farmers, however, happened to have one advantage over those of adjoining states, in the person of a farmer whose investment in a tractor was a great disappointment and who also was a member of the Nebraska legislature. This farmer fathered the legislative measure which established the Ne-

braska tests, often using the chain-type steering used on the old steam traction engine. The front axle pivoted in the centre, with resultant shock transmitted to the operator when one front wheel dropped into a hole or struck an obstruction.

The engine usually had a low R.P.M. and low compression ratio, was fitted with heavy cast iron pistons, moulded and line-reamed crankshaft bearings, splash system of oiling, thermosiphon system of cooling, magneto ignition and had to be started by hand cranking.

The transmission was usually three speed, with large spur cut gears which were difficult to shift throughout the range. Often the clutch was multiple plate, others were cone types and had a flat plate, similar to that in use today. The wheels were made of steel, with heavy lugs to give traction.

#### Hard Steering

The early type steering did not permit satisfactory control when plowing, nor did it give rapid turning at the ends of the furrows. Gradually, the steering changed to the present set-up: an axle pivoted in the centre to allow up and down movement of the front wheels, spindles attached to the front axle with king pins and bushings and steering controlled by a tie rod, coupling both front wheels to-

gether, a steering rod to a steering housing, enclosing worm-type steering, controlled by a steering wheel.

To obtain more variable speeds, tractors were built with four-speed and five-speed transmissions and now all manufacturers are experimenting with gear boxes with ten and twelve forward speeds. This permits a wide range of speeds, provides adequate tillage at high speeds and reduces the time necessary to prepare and seed an area of ground.

Another feature of the transmission which is receiving considerable attention is the Power Take-off. The Power Take-off in the past, has been governed by the speed of the tractor and when the tractor stopped, the P.T.O. stopped, with the result that there was danger of plugging the machine. The Live P. T. O. or continuous power-type P. T. O. is now one of the outstanding trends in farm tractor design and this means that there is continuous power to a pull-behind machine.

Almost all early tractor engines were fitted with magneto ignition; starters were not in use, and it was necessary to start the engine with hand cranking, which was difficult and dangerous.

The automotive companies were perfecting the battery ignition and finally it was introduced on tractors. With battery ignition came generators and starters. Dust and dirt caused difficulties and so the tractors were equipped with generators, starters and distributors that were sealed to prevent damage caused by dirt.

Farmers were using tractors at night and, instead of a kerosene lantern hanging on the tractor, electric lights were developed. The old three-brush generator with low output did not keep the battery charged and so it was gradually superseded by a higher output generator controlled by a voltage regulator.

#### Tedious Job

Engine bearings, both connecting rod and mains, were poured, reamed and scraped to fit. This was a slow, tedious repair job and not too satisfactory unless performed by a highly skilled mechanic. However, this was necessary as machines were not too accurate, nor were exact sizes available. As production stepped up, faster methods were required and so the shell bearing came into general use.

Pistons have also received considerable attention throughout the years. The early low compression, low R.P.M. engines were fitted with heavy cast iron pistons which have gradually been replaced by light cast iron iron, or, in some cases, aluminum pistons. This change has been of material assistance in reducing the load on the crankshaft bearings and precision manufacturing has also permitted closer tolerance of piston to cylinder.

Piston ring changes have also been very important. Early in the life of engine manufacture, the ring was put in to hold the compression and stop oil pumping. Very little attention was given to wall pressures, etc. As engine speeds increased, piston ring engineers worked to perfect rings to control higher compressions, control oil and yet reduce to a minimum the amount of friction in the cylinder. Piston ring manufacturing is very exacting and, in almost all cases,

rings are engineered to specific standards for certain applications.

As changes were made throughout the engine, combustion chamber temperatures increased and valve life became a serious problem. Metal alloys were developed to withstand terrific heat, however, carbon, varnish and gum deposits in recent years have caused difficulties and have resulted in a trend to rotator type valves.

Again as engine temperatures increased, it became necessary to work on the cooling system. In the majority of tractor engines, a water pump is standard equipment to circulate the cool and dissipate the heat. For the same reason, oil pumps became standard equipment on tractors. In addition to circulating the oil and aiding in heat dissipation, it was also essential to lubricate under pressure because of close tolerances and limits.

A large amount of credit for engine developments must be given to the oil companies. Although they were not responsible for mechanical changes, yet they have more than kept pace with fuels and lubricants, and without these improvements, high compression ratios, higher speeds and longer life would not be possible.

Compression ratios have stepped up over the years, also compression pressures. Compression ratios in 1920 were 4.4-1 and in 1950 they were up 6.4-1. Compression pressures have stepped up correspondingly. In 1920 they were 70 pounds approximately and in 1950, 142 pounds.

From this increase in compression ratios and pressures, it is quite easy to realize the increased load exerted on the bearings, as a result, better lubricants were necessary. For the same reasons, fuels were stepped up in octane value. Refinement procedures were introduced to give better performance characteristics. It is interesting to note that from 1920 to 1950 the viscosity of oils for the crankcase continually dropped. The recommended viscosity in 1920 was No. 50 and there were several fluctuations until about 1933, when the drop became steady and now some manufacturers are down to S.A.E. 20.

And now, just a few words concerning hydraulic controls. The first pull-behind equipment, ploughs, etc., were controlled with hand-operated lifts. Then lifts were set up in the wheels and the depth was controlled manually.

The same applies to mounted equipment. At first, a hand lift was used and later changed to a mechanical lift, with manual control for depth.

Recently, hydraulics have come into the picture and both pull-behind and mounted equipment is raised and lowered hydraulically and also adjusted to depth.



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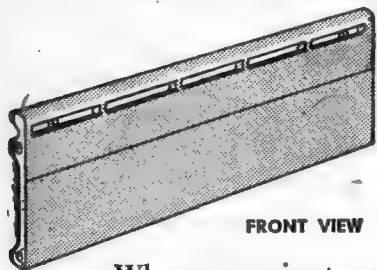
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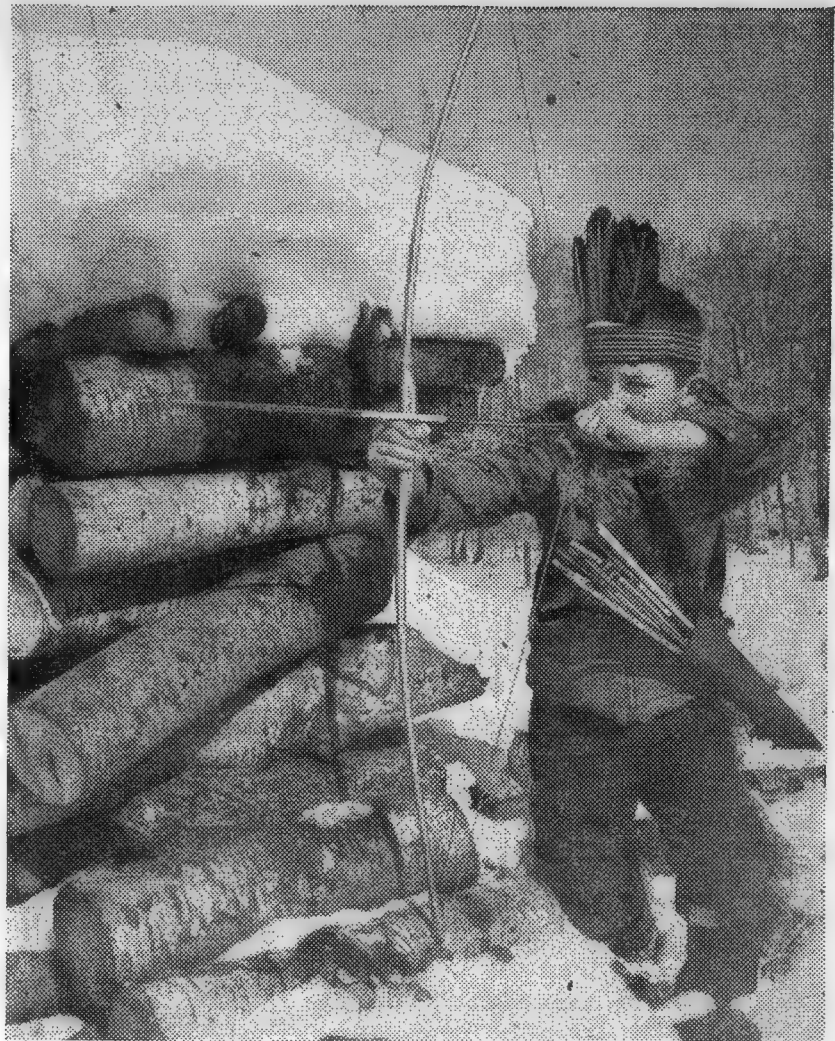
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## Drawing a Bead



Neil C. McKinnon of Togo, Sask., won \$5 for this picture of his son Bill on the prowl after a late spring snow.

## Crowning a queen is an ancient rite

BY GEOFFREY SHAWCROSS

ON Coronation Day, June 2nd, in London, the heart of the Commonwealth and Empire, our beautiful, likeable Queen, escorted by a glittering cavalcade, will drive in the famous gold-painted state coach from Buckingham Palace to Westminster Abbey, where, amidst scenes of dazzling splendor, she will be crowned Queen of Britain, Canada, and her other realms the world over.

London's streets will be gaily decorated with banners, canopies, and gilt crowns, the "crack" horse and foot guards with their resplendent uniforms will add additional color to the magnificent scene, and at least two million people of many races will line both sides of the processional route.

Moreover, many American and other Overseas visitors who have paid "fat" prices for grandstand seats (almost a storey high) in picturesque spots between fashionable houses and other buildings, plus hundreds of people from heavily-rented upstairs windows, will also witness the gorgeous time-honored pageantry.

On reaching the Abbey, wearing the crimson Robes of State, the Queen will be received by the Dean of Westminster (Dr. Doñ), the Archbishop of Canterbury (Dr. Fisher) and other

dignitaries. She will be escorted to the center of the Abbey behind the altar of which is the Chapel of St. Edward, the revered Founder of the ancient church.

Her Majesty will then sit on the Recognition Chair while the Primate asks, in turn, all sections of the vast congregation (which virtually "surround" the sanctuary) if they acknowledge Elizabeth as their true Queen and ruler. All loudly do so in the customary words.

Afterwards, Elizabeth proceeds to St. Edward's Chapel where she changes into a gown of linen trimmed with lace over which she puts the cloth-of-gold Coronation robe, the Super tunica. This action occurs at the end of the first and simpler part of the ceremony when she takes the oath, makes the declaration, and signs the same.

In the former, she solemnly promises to observe the laws and customs of the Two realm or rather realms, Services while in the latter she undertakes to be a faithful "Protestant" who will uphold the Established Church of England.

For the second part of the Coronation Service, the Queen, dressed as stated, and bareheaded, takes her place at St. Edward's Chair (containing the formerly-stolen Stone of Scone),

where she is invested and crowned.

Her Majesty will kneel for the anointing of herself by the Archbishop of Canterbury with consecrated olive oil poured from the beak of the "Golden Eagle" into the heavily-gilded Silver Anointing Spoon. Her Majesty's head, hands and (possibly) breast will be anointed. (As in the case of the youthful Queen Victoria the breast may be omitted from motives of delicacy.) After the anointing, when the Queen resumes her seat, the Golden Spurs and Jewelled Sword — emblems of knightly honor — are brought to her after which she is invested with the two remaining Coronation Vestments by the Dean of Westminster.

These garments are the Armilla, a stole of embroidered cloth of gold, and the heavy Coronation Robe of stiff cloth of gold, embroidered always with eagles, as laid down in the famous Book of Rules of 1350, with the fleur de lys for the lost Kingdom of France and crowns and stylised in roses, thistles and shamrocks for England, Scotland, and Ireland.

When it is buckled across the throat by the Lord Great Chamberlain the Queen's investment in robes is complete. Now follows the intricate ritual of receiving the insignia, namely, the Orb, the "wedding ring of England," the glove for the right hand, the Sceptre with the Cross, and a second, slim sceptre topped with a white enamel dove with wings outstretched.

Then follows the great moment of the Coronation service — the crowning.

The Archbishop lifts the crown high, places it upon the Queen's head, and declares, "At the sight whereof the people,

with loud and repeated shouts, shall cry, 'God save the Queen'; the Peers and the Kings of Arms shall put on their coronets; the trumpets shall sound, and by a signal given, the great guns at the Tower shall be shot off."

With St. Edward's Crown which weighs five pounds on her head, the Queen moves to Heavy the Throne Chair where Crown she receives homage.

The first to kneel before her to kiss her hand, then her cheek and touch her crown will be her husband followed by the Archbishop of Canterbury and other distinguished people. After the homage, which may take up to an hour, the Queen celebrates Holy Communion at the altar, kneeling, and there, incidentally, she removes the St. Edward's Crown which she will never wear again. She also makes her offering (previously described) to the church.

Finally, crowned with the silver Imperial Crown, weighing three pounds, she returns Second to the Throne Chair for a Crown blessing and there the Coronation Ceremony really ends. The entire service, which includes an address, usually by the Primate, lasts about three hours.

After the Benediction, Her Majesty goes to St. Edward's Chapel where she changes into her purple velvet Imperial Robes with the Imperial Crown on her head, the Sceptre with the Cross in her right hand, and the Orb in her left.

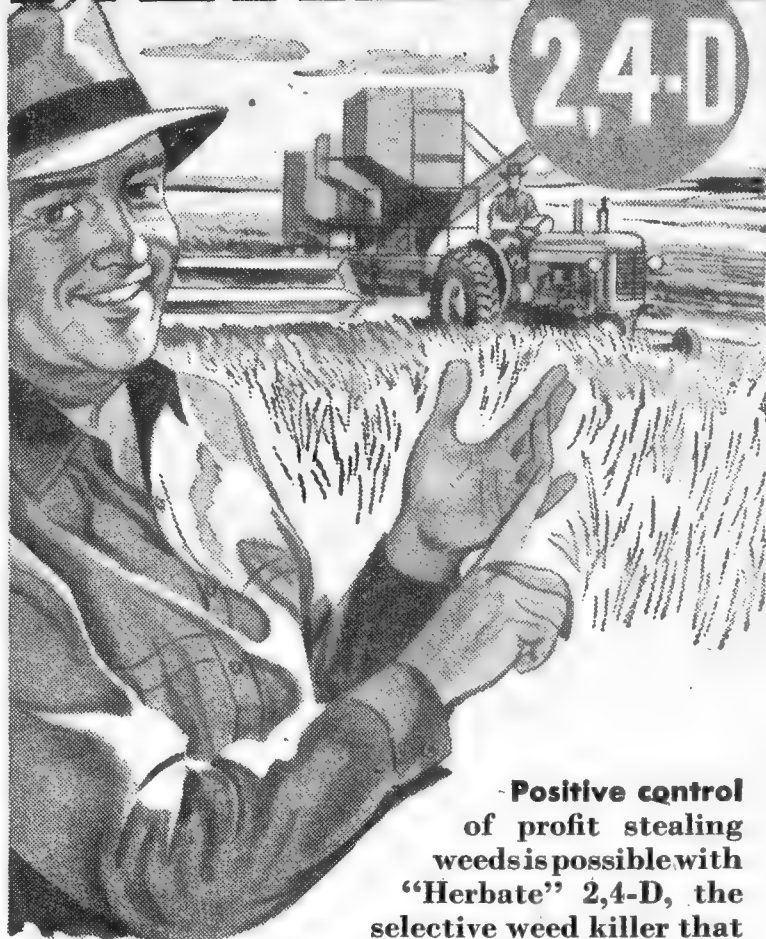
In such gorgeous array, accompanied by a brilliant train, the Queen leaves the Abbey, enters the historic coach, and drives home, by a longer route, to the sound of band music, the pealing of bells, and the deafening cheers of her loyal subjects.

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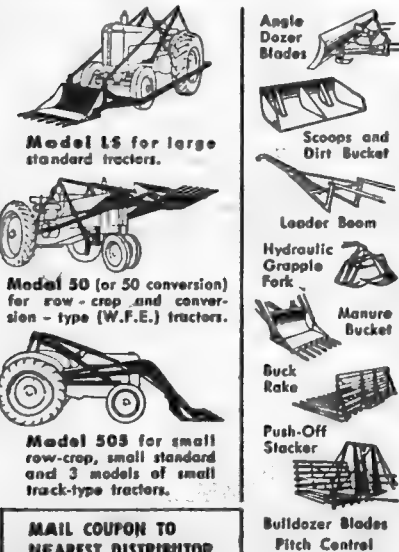


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## The difficulty of peace and difficulty of war

By BEN MALKIN

**M**ORE than two years ago Walter Lippmann, the American commentator, said that peace would bring difficulties at least as great as the cold war to the free world, and perhaps greater. For the non-Communist countries had at least organized themselves and devised a program for waging the cold war. But if tensions eased and cold war plans were no longer realistic, there was nothing to replace them.

In the first few weeks after Stalin's death, when the Russians made a number of moves calculated to ease international tension, it became clear that peace would make it much more difficult for the free world to maintain its unity than had been the case when the cold war forced the West to unite for survival. With talk of peace, wheat prices started to fall at Chicago, and Britain decided not to enter the International Wheat Agreement.

That was one example. Another was Japan's declaration that she faced economic ruin if a truce were concluded in Korea and American spending in Japan were to drop off. The alternative, the Japanese said, would have to be a re-opening of trade with Communist China.

### Sharp Drop

In addition, stock market prices fell sharply in New York, and government leaders in Washington, Ottawa, and London felt they had to issue reassuring statements that peace would not bring a depression, and that defence orders would remain at a high level for a long time to come.

All this happened even before anything concrete was done by Russia to back up its new, conciliatory tone. Except for Russian agreement to the choice of a new United Nations secretary-general, the Soviet Union had done nothing but utter a few courteous words before the whole free world was thrown into a tizzy.

A number of newspapers on this continent, including the New York Times and the Toronto Globe and Mail, and in England the Manchester Guardian, quickly recognized that if a settlement indeed became possible with Russia, the challenge facing the West would be much greater, and more severe, than anything posed by the cold war. Apart from the stimulus of defence spending, unity on such questions as trade would become extremely difficult to maintain. The pressure in the American Congress for higher tariffs was already heavy, and would certainly become much stronger.

It would become harder than

ever to convince the legislatures of the wealthier countries of the need for aid programs to underdeveloped nations. These projects, after all, were started as a means of warding off the Communist threat. If the threat became less obvious—Russia became less aggressive, the need for such programs would not be so clear. Everything that has been done partly to fight Communism might become undone. Even liberal immigration policies might be affected.

### Not Prepared

However, the peace offensive finally turns out, what happened in the few weeks after Stalin's death should serve as a lesson that the free world is unprepared for a situation in which the threat of war is removed. While they plan for preventing aggression, they must also plan for peace.

Last October, Stalin wrote in the Russian magazine, *Bolshevik*, in which he said that the capitalist (i.e., non-Communist) countries would not make war against Russia, but would instead fight among themselves. Trade rivalries, tariffs, immigration restrictions, could all help lead to bitter rivalry among the free countries if they are unprepared for removal of the stimulus to unity that the cold war has brought.

Anthony Eden, the British foreign minister, made the point soon after Stalin's article was published that Stalin could be proved wrong only if the free world sets out to do so. It could not be done by letting things slide, or by pursuing a policy of each country for itself once the imminent danger of war seems gone.

President Eisenhower spelled out this point in another way when, in April, during his first major reply to Russia's peace overtures, he said that the United States would spend the money saved by disarmament on a multi-million-dollar program aimed at helping to remove poverty from the earth. He was serving notice then that his administration had no intention of relaxing should peace break out. And if Washington was willing to continue its program of aid in order to help improve living standards in backward countries, it must follow that it would be ready to pursue a policy of trade so that its friends abroad could earn a living.

But such a policy has not yet been spelled out in full, much less worked out. Not until it is, with the U.S., which is the world's greatest single economic power, taking the lead, can the free world breathe more easily in the assurance that political stability would not be followed by economic anarchy and disaster.

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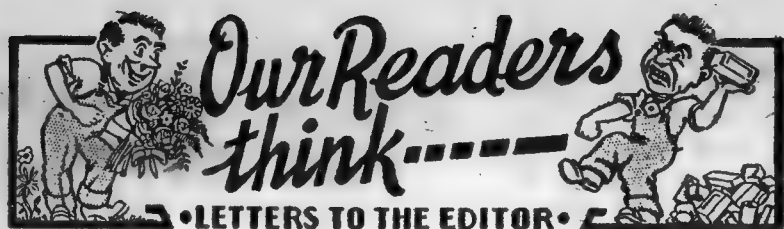
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## Perfect People

To the Editor:

I have lived quite a while and travelled far, yet have only met five or six people like the author of the letter "No Heaven and No Hell," and these all-brilliant intellects were very conceited and egotistic. Because of an old grudge, one had scrapped with his minister, another couldn't make up with mother, and so on. They all became bitter of soul and tried to kid themselves with a hope that religion is a farce. Mr. Henry is in for a fall. Better take it now on the knees. The letter by Mr. Sulatisky is a revelation in knowledge, it is surprising that a mere individual can know so much, yet there is something even such a man needs to know that education is not that we shall become perfect in grammar but able to use words.

In all departments of life the perfect specimen is the worst person to deal with. He who knows it all generally can do the least. I'd rather be able to manage a newspaper than dream, think, or continually dwell on predicate nominatives. When I listen to radio addresses by university professors I feel sorry for the students who have to sit under such dull, dry expressionless talk hour after hour, one after the other. The immortal Mr. Pattison sympathises with the teacher, to quote an excerpt from a manuscript: "I mean the teacher himself, who, stunned with the hum, and suffocated with the closeness of his schoolroom, has spent the whole day (himself against a host) in controlling petulance, exciting indifference to action, striving to enlighten stupidity, and laboring to soften obstinacy; and whose very powers of intellect have been confounded by hearing the same dull lesson repeated a hundred times by rote, and only varied by the various blunders of the reciters." Poor teachers and poor scholars, why oh why do we have to learn?

The controversy is hot, but we can't blame our young people. I think perhaps our modern trouble lies with the outlook of the teachers rather than the system. I think Mr. Sulatisky is a teacher. If there is a one abhorrent thing to pupils it is a demonstration of perfection on the part of the teacher. As a young man my master decided to teach me the way to shear a sheep (the old hand shear method) and he made to show off, but the sheep moved and lost a piece of flesh. I felt sorry for the humiliated man but I learned the lesson easier than if he had excelled in the art. Why don't the professors try and put

themselves mentally in the place of the student? An adjustment can be made to a system but our teachers are too obstinate to change.

J. M. Pine.

Rat Lake, Alta.

## Fight It Out

To the Editor:

You will see, by your files, that I am an old subscriber to your paper, although at times, I wonder why, for you vex me sorely by some of the stuff you write.

However, I am heartily in accord with you, on the grain handlers' strike, at the coast. If ever there was a time to stand and fight, it is now. I have no doubt that Mr. Prime Minister, by taking a hand in it, could settle it, by giving in to labor's demands, but there has been far too much appeasement of labor, at the farmers' expense already.

The only fair way to settle these labor disputes, it to fight them out, to the bitter end, and when they come back to work, fire the lot, and hire a fresh crew, at the reduced rate, that the farmers are having to take lately.

Today's issue of your paper contains a letter from a Mr. W. G. Gillard, of Summerland, B.C., and I feel certain that there are many who will read this letter and exclaim, "Now, there's a man after my own heart." I refuse to believe that the progressive people out west will continue for long to allow the rulers in the east to hamper their forward march. I enjoy Emil Lorentson's frequent letters, you can keep such coming.

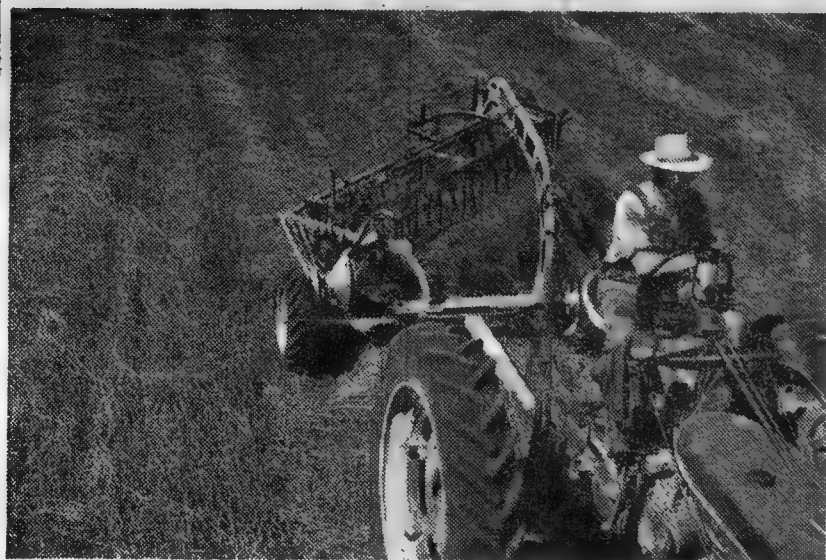
But I am not so pleased at your eternal gripes about our Manning administration. Alberta is the one bright spot in a troubled world, and you, Mr. Editor, must find it hard to explain, why, every farming constituency in the province, since you purport to speak for agriculture, keeps on piling up the greatest majority at each election in democratic history.

Thomas G. Hopkins.

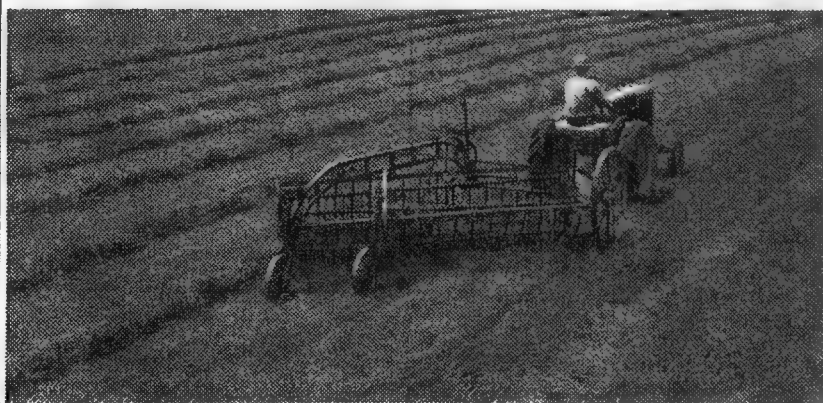
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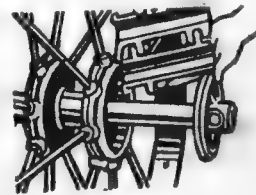


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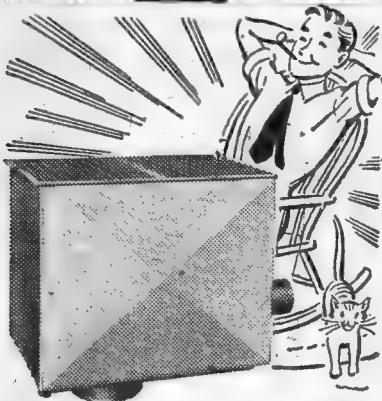
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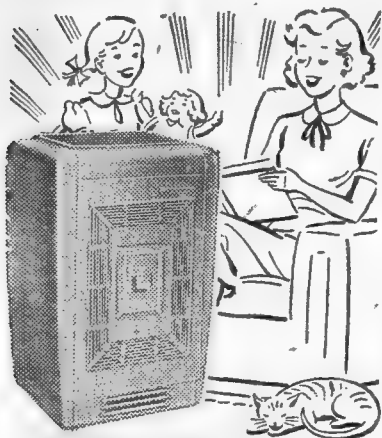
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## Shrubs need regular pruning but care is required

By H. F. HARP

A GREAT deal of harm can be done to shrub plantations by bad pruning. Where a regular programme of pruning is carried out and the work done with an understanding of the plants' requirements the result will be a shapelier and thriftier plant.

The first consideration must be the culling out of all dead and diseased wood. This is done in early summer or as soon as the leaves unfold. In severe winters there will be much to put right along this line especially where shrubs are used that are of border-line hardiness. Spirea Vanhouttei is an example of this type; in some years it survives the winter unscathed, while at other times considerable injury is observed.

Every third or fourth year it becomes necessary to cut down these early summer flowering Spireas to a height of eighteen inches or so to rejuvenate the plant. Young vigorous shoots are less likely to winter kill than the old wood which has carried the burden of bloom for several years. This heavy pruning is best done in July when the plants have done blooming.

The recommended practice is to cut out to the base all worn-out wood; next reduce the younger wood to a height of a foot or so. The centre shoots may be left slightly longer than those on the outside edge of the plant. By so doing a more shapely bush will result.

A top-dressing of good garden soil or well-rotted barnyard manure will be found beneficial to these newly pruned plants and should be applied as soon as the pruning has been completed.

The Spireas of the Bumalda types that bloom in late summer on the current year's wood require pruning in early spring as soon as growth commences. In most of the prairie area this

type of Spirea kills back each year so that pruning becomes a routine job of cutting the plants back severely in the early spring.

### Tough Job

The Lilacs present a rather different problem depending whether or not they have been budded or grafted on an understock. Many of the named French Lilacs imported from European growers are on common Lilac stock so that sucker growth is difficult to distinguish from the scion or true variety. If allowed to grow unchecked, these robust suckers will soon smother the budded variety and in time the whole bush will be all stock.

First we must be sure what stock has been used. Chinese Lilac, for instance, is easily recognized should suckers develop, the leaves are large and coarse. The most satisfactory plants are those on their own roots for every sucker may be dug up and replanted for increase. It will be an exact reproduction of the parent plant. In the matter of pruning Lilacs of this type, we must bear in mind that bloom is only produced on the previous year's wood. Flower buds are formed during the growing season at the tip of the new shoots and are quite prominent by season's end. They must be preserved at all cost. It's plain to see why little or no bloom is produced on a Lilac hedge where pruning is done in the summer by cutting off the tip growth.

General pruning of Lilacs is confined to cutting out old worn-out wood and removing suckers. These may be dug out in the fall and "heeled" in if wanted for spring planting.

### The Easy Ones

Japanese, Amur and Chinese Lilac require little pruning.

They are non-suckering and flower on the old wood. Chinese Lilac will tolerate a position of shade but bloom more luxuriantly if planted in full sun. Amur and Japanese Lilacs are well adapted to prairie gardens and deserve to be better known.

The plants take several years to reach full development but are worth waiting for. The large creamy, sweet-scented panicles clothe the tree from top to bottom. They bloom fully two weeks later than the French Lilacs and bear interesting, tawny-bronze seed pods which brighten the winter landscape.

Prestonae Lilacs are a race of Villosa hybrids that are also late blooming. Varieties recommended include Red Wine, Nocturn, Royalty and Coral. These were introduced by the Experimental Station, Morden. Dr. F. L. Skinner of the Skinner Nursery at Dropmore, Manitoba, recently introduced a very fine variety called Donald Wyman. Its deep reddish flowers are freely produced and are non-fading.

The willows with their colorful bark should be more widely planted for winter effect. Whether planted in clumps among the shrubbery or used as hedges, these willows should be cut back almost to ground level each year in early May as only the young growths provide high winter color in the barks. Golden Willow and Red Stem Willow are the best varieties for this use.

### Lawns Need Care

It is now possible to ascertain to what extent the winter has damaged the lawn. In this section of the country — Southern Manitoba — the lack of snow coverage has resulted in more winter injury than usual, although snow mould has not been notably destructive this season. The mould makes its appearance when the snow melts and looks like grey cobwebs on the grass.

By brushing the infected parts with a house broom when the day is sunny less damage will result. Reasonably good control may be had by treating the lawn with Semesan, 2 ozs. per 1,000 sq. feet. Dry sand should be mixed with the chemical to facilitate even spreading.

Patches of lawn that have died out completely should be re-seeded now. Scarify the surface with a sharp-tined rake. Sow the same seed mixture as originally used or there will be odd patches of grass showing. One pound of seed per 200 sq. feet is a generous amount. Cover the seed by lightly raking the surface and water the sown patches. A covering of brush will provide shade and assist in germinating the seed.

On no account must the seeded areas be allowed to dry out, or the whole project will be a wasted effort.

Germination will take a week or ten days under the most favorable conditions of mois-

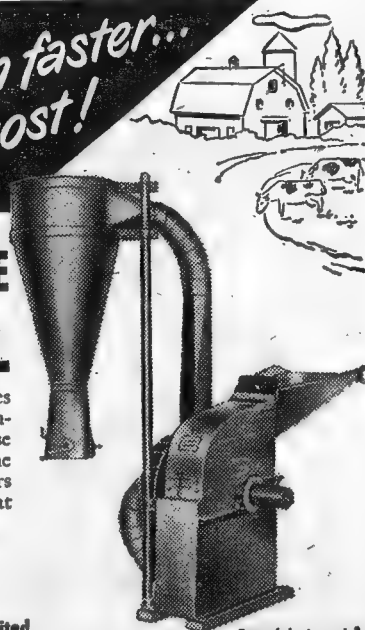
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ture. Adjust the lawn mower so that the grass is not cut shorter than 2 inches. One of the most common mistakes is to cut the grass too short. Sun and wind can cause far more damage to lawns that are shaved than to those where the grass is kept at 2 inches high.

#### New Lawns

Preparation for the establishment of new lawn areas should be started in the spring by levelling and making a fine seed bed. Perennial weeds can be destroyed by constant cultivation. Stubborn weeds, such as quackgrass and dandelions, should be forked out. By mid-August the area will be ready for sowing the seed. A mixture of 60% Kentucky Blue Grass, plus 40% Creeping Red Fescue has given excellent results in the prairie regions. To this is added by some gardeners about 15% Red Top which nurses the other grasses along. In a few years the Red Top will have disappeared.

When sowing a large area by hand a good practice is to divide the seed into equal portions. Sow one-half the seed, say from north to south, the remainder from east to west — that is, walking in these directions as you sow.

#### Get a Roller

If a light roller is obtainable, this piece of equipment can be put to good use in packing the seed-bed after sowing. Care must be taken not to use the roller if the land is at all wet or the seed will be found to adhere to the roller. After the roller has been used to firm the seed-bed, the area should be lightly scarified by drawing the back of the garden rake across it, gently stroking the surface so as not to disturb the newly sown seed.

If weather conditions are dry at the time of sowing and no water is available the seed will not lose its viability, even if germination does not take place until next spring. However, if at all possible water should be applied as needed. Grass seed that germinates in August will build up sturdy plants by freeze-up that will form the basis of a good lawn the following year.

#### Perennial Borders

The first job will be to cut off all the old top growth and tidy up around the plants, forking out perennial weeds and applying fertilizer 11-48-0 is recommended at the rate of 2 ozs. per square yard.

Replanting where necessary should be done as soon as possible so that the new stock has a chance to become established before the hot weather sets in.

Hardy Chrysanthemum plants may be planted out about the third week of May. Set them eighteen inches to two feet apart, filling up any vacancies that exist in the perennial border.

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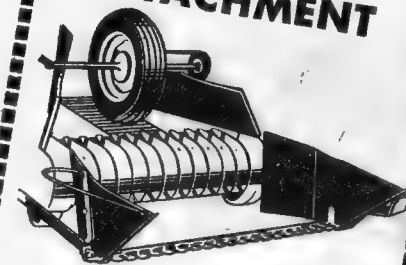
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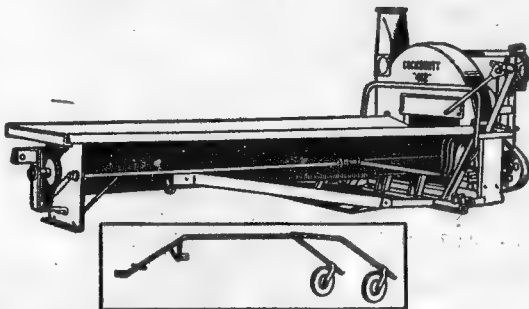
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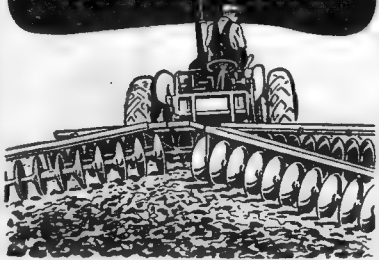
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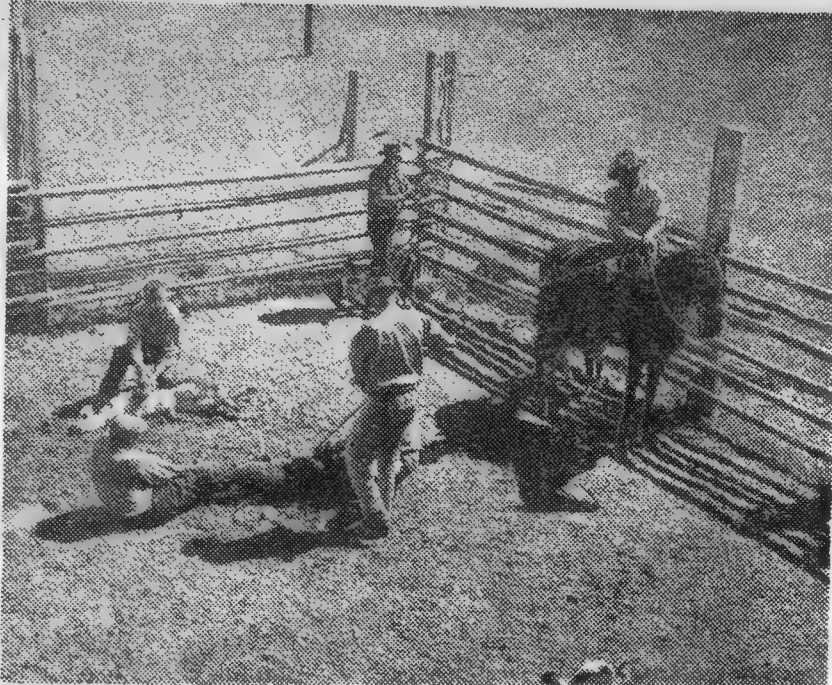


Photo by Richard Harrington.

## Rotation and grass in action—here's the latest report

By JOSEPH PAUL

A 1944 bulletin dealing with the question of cropping practice has this to say about the short grass plains of Alberta, "Unless a farmer can afford to keep a quarter to a third of his land seeded down to grass (or if possible a grass and legume mixture) his farm is not likely to continue to produce satisfactorily over a long period of years." "In most places the grass chosen should be crested wheat grass." A 1950 revision of this bulletin repeats the statement although the authors admit it has been the subject of criticism by a number of people.

There has been very little experimental work which can be used to test the theory expressed above. However, the problem has received some attention by the Soil Research Laboratory, Swift Current. Their work has been done on the short grass plains, and the 1949 report contains this information:

"Soil samples taken from fields of crested wheat grass and brome grass at the time of breaking and 2 years later showed that the loss of organic matter in the 2 years after plowing was equal to the gain during the previous 4 years in grass.

Determinations of organic matter have been made at two-year intervals on fields that were seeded to grass. These fields have now been in grass for 8 years and where good stands were obtained on sandy loam, there was an increase of 2 to 3 tons per acre in organic matter, on loam soils the increase was 3 to 5 tons per acre.

On some light soils, where poor stands were obtained, there was a loss of 2 to 3 tons per acre of or-

ganic matter in fields seeded to grass is rather slow in the brown soils and the loss of organic matter, after such fields are broken, is quite rapid."

Beside the fleeting nature of the organic matter from grass sod, there are some practical difficulties to the inclusion of grass in rotations. Attempts to establish grass stands often fail due to seasonal conditions, thus upsetting any intention of a regular rotation. Wire worms tend to build up to serious infestations in grass sod. So far the results of many observations and tests, indicate yields of wheat, for the first crop or so following grass sod, are a little less than on land which has been farmed for several years under the wheat and fallow system.

Soil drifting has often been noted on grass sod during its first year after breaking. The extra work required on freshly broken ground is often applied when the soil is dry; and the surface is worked to a mixture of dust and lumps more subject to drifting than fields protected by trash, small clods, and a good soil structure.

The most recent report of rotation experiments comes from the University of Saskatchewan, entitled, "A Quarter Century of Crop Rotation Experiments." It covers the period 1925 - 1949. The conclusions in this bulletin which are most directly supported by the results are these: "Fallowing is the most convenient and efficient method of conserving moisture in this region." (Saskatoon) "... The important thing to keep in mind is to have as frequent moisture conservation as the rainfall record of the district demands."

A comment is included noting the difficulty of securing stands of grasses and legumes and the expense of seeding these crops. It is suggested they be used in stands which are left down for several years while the annual crops are used in rotation on the other parts of the farm. The results published show the growing of legumes and application of manure maintain the yields of grain crops at a higher level; but there is no indication that the benefits of legumes and manure were greater at the end than at the beginning of the 25-year period. In other words there was no evidence of the soil becoming poorer under continuous cropping to cereals or under a 2-year rotation of grain and summerfallow.

Continuous cropping to wheat gave an average return of \$13.51 per acre per year. The 2-year rotation of wheat and fallow resulted in more than doubling the yield for an average annual return of \$14.27 per acre. Manure applied at 6 tons per acre every 6 years increased the returns from wheat by 39 cents for each ton applied. (It showed values ranging from \$1.12 to \$2.26 per ton when applied to other crops.)

The greatest average return per acre from any rotation was \$14.54 from a rotation of fallow, wheat, oats, and 6 years of alfalfa. No estimate is given of the cost per acre of operations under the different rotations; but one is forced to conclude the simple systems of continuous grain, or alternate grain and fallow, would give the greatest net return, unless special value is obtained from the forage crops in supporting a profitable livestock enterprise.

The results indicate that if it was necessary to choose one crop for exclusive use on the prairie, wheat would be the soundest choice. After all that is not surprising, — it is backed by the preference of about a quarter million farmers.

On the other side of the picture there are a couple of factors which tend to preserve a measure of diversified farming. The fear of unmarketable grain surpluses is an important guiding influence. Income tax regulations work out to the advantage of people who produce as much as possible for their own use. This leads to variety in the farm enterprise, especially on small farms. The importance of the "small farm" is better realized when we note only 27% of the farms in the prairie provinces are of ¼ sections or more, (1941 census).

The farmers all agree that where more than one kind of crop is being grown, there is an advantage in using the crops in rotation. There are countless observations and tests to show the benefits of alternating the cereal grains with each other rather than growing wheat or oats or barley continuously on one field. There is no argument

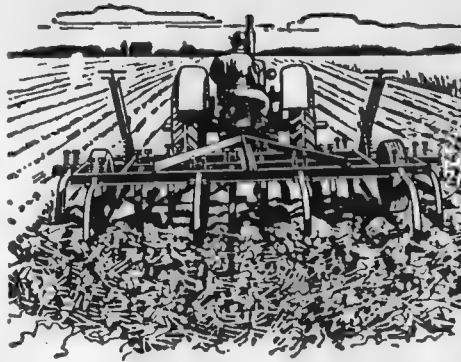
against the benefits to be derived from using a legume in the cropping system, except the difficulty of establishing stands and using the crop economically on a grain farm.

The good effects of these crop sequences are desirable but not available to the drought area farmer who summerfallows half his land each year. However, this practice of intermittent fallowing is in itself a sort of rotation, and a measure which gives many if not all of the advantages of crop sequence. The fallow year serves to rid the land of plant disease. It restores the soil solution to a condition of fertility, and it controls the spread of certain insects and weeds.

An interesting sidelight on the effects of different plants on one another is provided by the so-called "Indian summer-fallow". This practice, which was adopted as a last stand against soil drifting and drought in some localities, has given results which suggest a good effect from the weed growth which is given a free hand during the fallow year. Of course the weeds may catch a good supply of snow as a substitute for some of the moisture stored from spring and summer in clean fallows.

But even allowing for this fact the weed growth appears to improve, rather than injure, the general condition of the soil; and naturally it should because that is the way the ground-up rock was changed into a fertile soil in the first place. Indian summerfallow has usually been adopted through necessity rather than by choice. It can be a great annoyance to neighboring farms; but it has been an effective substitute for temporary regrassing and part-time alternative for continuous cropping on soils that are too sandy for frequent summerfallowing.

Recent tests indicate a light growth of weeds in a grain crop may do the crop more good than harm. They certainly help shelter the soil from the sun and from the puddling effect of heavy showers. Possibly there are other ways in which they help. The use of weedy growth as a living organic mulch has become a general practice in the orchards of B.C. This system fits in particularly well with sprinkler irrigation on the steep slopes and porous soil of much of the orchard country. Truly, there is more to crop rotation than meets the eye.



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## Artificial insemination has built "One Big Herd" in B.C.

By TOM LEACH

ONE Fraser Valley dairy farmer stood up at the meeting of the B.C. Artificial Insemination Center and shouted, "I'll use artificial breeding in my herd if the cost goes up to five or six dollars. It would still save me money."

Last year 16,724 cows were inseminated from the B.C.A.I. Center which is located at Milner, B.C. They have 27 bulls at the Center which serves a large section of the Fraser Valley plus sub-units located at 8 points throughout the province.

This A.I. Center has a remarkable record. Visitors from south of the U.S.-Canada border show their surprise at the conception rate of 51% on the first service, 77% on the second, and 92% on the third service. But the question was asked at the annual meeting: Are the daughters any better than their dams?

Such a problem as this was not considered when the Center was planned and began operation in 1945. The seven bulls in the barn at that time were all good bulls from herds which were under test. Within a short time after their use at the insemination Center, their daughters in the former herds began to show results and dam-daughter comparisons were easy to locate. Now with 27 bulls in the string, and the need soon to replace a few of the older bulls with younger sires, they have little information except pedigree.

### Good Bulls

The Livestock Branch of the Canada Department of Agriculture's Production Service is beyond reproach for the type of bulls they have placed at the Center. They can stand up to the very best in the show ring and they have the best potential records of any bulls available. The fact that dairy farmers are

quite satisfied with the heifers they are getting also speaks well for them. But since 1947 they have obtained little information about production of the daughters of these bulls.

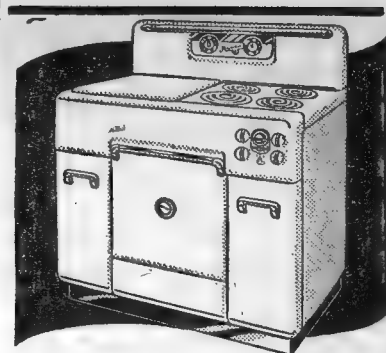
The answer to the difficulty is a system of records. The farmers directing the operations of the Center recognize the need for this but say it is not an easy matter to persuade the 3,500 farmers who use the service from time to time to put all of their cows on test. They acknowledge that it would be costly and the time consuming to keep records on all calves. They say it would be useless in many cases.

Only a small percentage of the calves raised ever reach the production stage in the Fraser Valley. Many of the farmers never intend to raise their calves. They simply use the service of the Center as in years past they used the bull down the road. They use it as a freshener for their cows and sell the calves for veal.

### Good Plan

That system has proved to be a good plan in the past and may help to account for the fact that the average cow in the Fraser Valley is producing close to 300 pounds of butter-fat per year. The figure is higher than the national average but it is nearly 100 pounds lower than the average fat production of the cows under C.T.A. Members of the Cow Testing Associations have watched herd averages climb during the past 10 years until some herds are now over the 500-pound fat average.

When farmers were urged to join the A.I. Center they were encouraged to believe that the use of better bulls would bring about higher milk and butter-fat yields. That has been accomplished up to a point but now no one believes that this



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trend of improvement can be continued without knowing the answer to the question: What is the production of the dam and what improvement in production can the bull pass on to his daughters?

To obtain the dam's production it will be necessary to persuade more farmers of the need for testing. At present only about 15% of the cows being inseminated by the field men of the A.I. Center are under test. Limited records of this nature provide little information for the government livestock specialists to study.

Dr. J. C. Berry discussed the problem with the members of the A.I. Center at the time of their annual meeting. He said that pedigree promise may show a bull to be good but experience with the herd at the University of British Columbia proved that this could not be relied upon completely. He warned, too, that the time is well past when they can expect to obtain good bulls simply by going to breeders and asking for one. Plans must be made in advance.

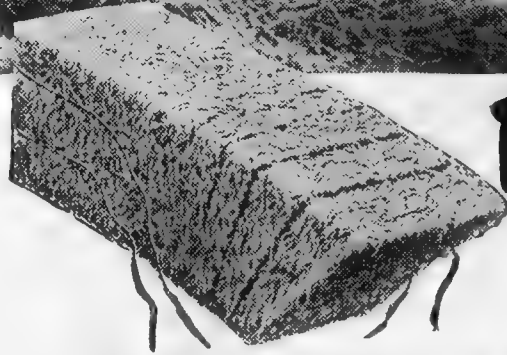
To understand the need for more widespread testing, Dr. Berry urged members to visualize the 16,724 cows in the province and the 27 bulls at the A.I. Center as one large dairy herd. If it is considered in that way then it would appear ludicrous to expect to know what bulls to use or to know which bulls are improving production if only 2,500 cows are kept on test and few records are kept of the daughters.

Working out a system which will prove useful to the members may take a little time and some expense but the problem is no more difficult than some others that have shown up in the short history of artificial insemination.

#### Problem Cows

When the Center started to operate, the inseminators found many herds where the cattle failed to respond. They had to make many calls and often without success. That was the point where the B.C. Department of Agriculture stepped in to help out by loaning Dr. J. C. Bankier to the Center. He devoted full time to a study of troubles in various herds and discovered that as many as 20% of the cows could be classified as "problem" cows.

In many cases the difficulty could be treated to nutrition. Rations were not well balanced and it appeared that some feeds were lacking in some important substance. In other cases they could discover no specific reason for the failure to breed. In a few cases the technique of the inseminator was at fault. Those things were corrected and results from the standpoint of getting the cows in calf showed a remarkable improvement. Now the records must be tackled in the same thorough manner.



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**T**HE deadly threat of fire hangs over every home, and although urban residents are fortunate in the fact that they have fire-fighting equipment within call, farmers are not so fortunate. However, even if you have taken every possible precaution in the prevention of fire, if you still haven't a fire extinguisher in your home, you will lose those few precious minutes if you should have a small fire that could have been smothered.

Fire extinguishers range in price from a nominal \$15.00 to \$60.00 and so many people put off until too late the purchase of these hand fire fighters. However, now Hydro power has stretched across the prairies, every user of electricity has potential fire extinguishers in his possession, in the light bulbs which all too often burn out after using a short while.

When this happens instead of shaking it glumly for the familiar rattle, and then throwing it away, store it carefully in a safe place until you have at least six. This is the minimum amount of fire bombs necessary in an urban home, and it is only a start for the rural residents.

Any store which handles fire-fighting equipment handles carbon-tetrachloride, which is the liquid used in the best type of extinguishers. I mention this kind, because although there

## Make your own bomb fire extinguisher

By BERYL RASMUSSEN

are other liquids, on the market, this kind never freezes. It is also non-conductive and therefore can be used on electrical fires with perfect safety to the operator. This carbon-tetrachloride can be purchased for a nominal sum in quart or gallon cans. One quart would make

about four bombs using 60-watt bulbs for the bomb, so you can buy the liquid accordingly.

Now take your burnt-out bulbs and carefully cut away the brass threaded portion from the end of the bulb. This takes a little practice, and perhaps a cut finger the first time, but you

should soon be adroit in the art. You will find a small sliver of glass underneath this, which breaks off easily disclosing a small glass funnel leading into the inside of the bulb. Through this funnel carefully pour the carbon-tetrachloride, until the bulb is full of fluid.

Now carefully, put a small wad of paper into the mouth of the funnel, and cover the end with household cement. The wad of paper is to prevent the cement from running down into the fluid enclosed. It may take several coatings to make the bulb absolutely air tight. You are now holding a fire extinguisher in your hand, which cost the price of the fluid.

### Easy to Make

You can use your ingenuity in finding suitable holders for these bombs which will keep them safe from breakage and yet close at hand in case of need. There are a variety of cheap plastic planters on the market these days, which hang on the wall and might easily be used for planting a "bomb" instead of a plant.

Or you might paint small tin cans, punch a hole in the side near the top, and hang them on picture hanging hooks. I have seen these painted to match the color scheme in a kitchen, with the bulbs painted red, where there were small children. The

### A Great Milker

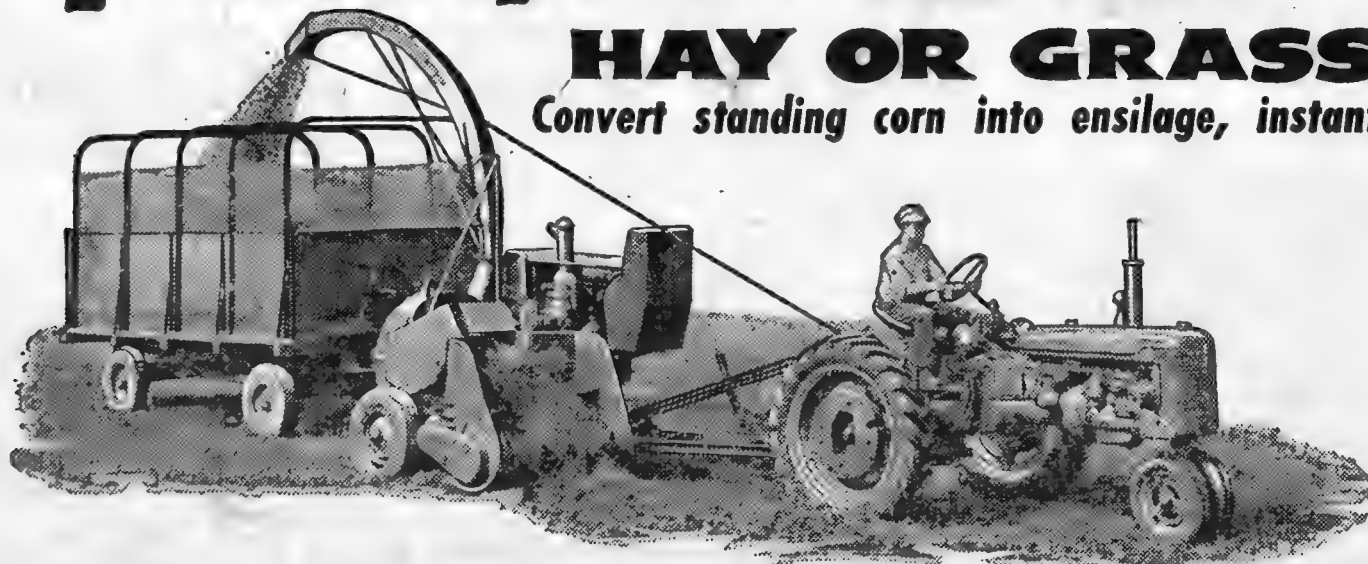


Mrs. M. Neely, Elnora, sent us this shot of a cow that has been providing the family with milk for 21 years. That sounds like a record to us.

# Pick Up...Chop Up

## HAY OR GRASS

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more seeing your crop pass its prime while waiting for help. Operates from the power take-off of your Farmall Super H or Super M or any tractor of comparable power. Ideal for the family size farm, this one-man McCormick 20-C saves effort . . . saves your crop. See your IH Dealer now and get the full story.

\* Fastening on the attachment for corn is only a matter of minutes.



# McCORMICK 20-C FIELD HARVESTER

INTERNATIONAL HARVESTER COMPANY OF CANADA LIMITED, HAMILTON, ONTARIO

children were told that the red meant for fire, and were instructed in their use, if needed.

There should be two in a kitchen, because so many fires start there; several in the basement, and the balance in hallways. They should be put in the halls where they will be out of the way and yet within easy reach. There should be several in the garage, and with the above fluid, it will not matter whether the garage is heated or not.

On the farm itself, there is no end to the places where you might hang one of these bombs, which will not need fancy holders, and may be hung on a piece of wire, twisted and screwed to the wall. The machine shop, the barn, hen house, brooder house are all potential fire hazards, where a little fire soon gets out of control. In childhood we had a huge barn filled with winter feed burn down, for want of a couple of pails of water which would have put it out to begin with, but the barn well was dry!

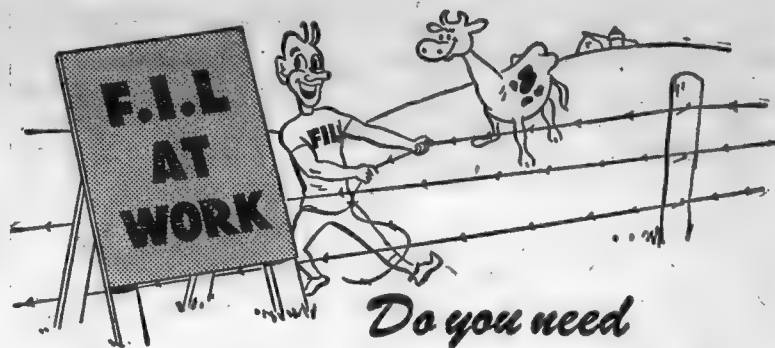
#### Throw It

In case of fire simply grasp the bulb and throw it at the flame. Remember it is the gas it forms, and not the liquid which smothers the fire. Did I say start with half a dozen bulbs, well, that is only a start, but put them in your home first, and when you can't think of an-

other place to put one of these extinguishers, save the burnt-out bulbs for your friends or neighbors who haven't yet electricity. They will appreciate your thought, and you will be helping to make other people fire conscious, and cutting down on the tragedies which every year take their toll.

There is no such thing as a fire-proof building, as has been proved by million-dollar blazes in structures that were "fire-proof". However, marvellous new heat-retarding coatings and paints have been invented and will soon be on the general market. On tests taken with a 1,650 degree Bunsen burner flame which went through bare plywood in 11 minutes, it took two hours to eat its way through plywood which had been coated with a fire-retardant paint.

New flame-proofing treatments are now being used for treating cotton uniforms. Cottons which are flame proof will soon be on the market for draperies, upholstery and slip covers. This will reduce to a minimum the furnishings and decorations which will burn, but for most of us who do not have these new inventions yet, but do have burnt-out light bulbs, we can be prepared if fire should break out.



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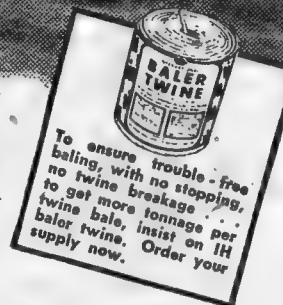
Greener color, more leaves, less fibrous material make the big difference between No. 1 and lower grade hay. You can largely control all these factors at haying time with the help of fast, efficient McCormick Hay machines.

For example: the fast-baling No. 45 baler helps you head off weather damage by getting your hay out of the windrow in a hurry. Bales up to 5 tons

an hour. Power take-off-driven by a Farmall Super C tractor or equivalent power.

For the big-scale farmer or custom operator the new big capacity McCormick 55-T Twine baler (or 55-W Wire baler) handles up to 10 tons per hour, tying the larger, neater, heavier, easier handled bales.

For practical answers to all your haying problems, consult your IH dealer now.



# McCORMICK 45<sup>\*</sup> POWER TAKE-OFF HAY BALER

INTERNATIONAL HARVESTER COMPANY OF CANADA LIMITED, HAMILTON, ONTARIO



In the off-seasons, pest shooting can fill the bill quite nicely for the gunner who likes to keep his hand in, to do his shooting under natural conditions, and to protect the more useful forms of wildlife.

Possibly nothing else will measure up to the crow in providing shooting thrills and gunning experience. One authority has advanced the opinion that a hunter should be required to take at least one crow for every game bird he puts in the bag in the hunting season. It is not a sensible idea to annihilate the crow, but there is nothing amiss with a little control of its numbers. The best gun is the one you use on game. In shot, the No. 7½ — with its uniformity and density of pattern — is as good a choice as any.

Among countless pest shooters, the ever-popular .22 calibre rim-fire is a great favorite. The writer feels strongly that the shooting of small pests — gophers, skunks, groundhogs — with a .22 should be done with a hollow point (mushroom) long rifle bullet for sure kills. Nobody in his right senses wants to leave any cripples.

Take a tip from Herman Johnson, popular columnist of the "Saskatoon Star-Phoenix", and get in some worthwhile off-season sport with pest shooting.

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## Blow the trumpets — Here come the falcons!

By KERRY WOOD

NORMAN called on me yesterday to talk about falcons. He is now a young man, but before he was ten years old Norman became fascinated by this age-old sport once reserved for kings and nobles of their retinue. In brief, falconry means the partial taming of certain varieties of hawks, so that the trained bird will ride on the wrist of their master until the moment when he removes the hood covering the bird's eyes and tosses it aloft, when the falcon quickly towers until it spots the duck or other game in sight and swiftly pursues it to strike it down. After making the kill, the trained falcon is supposed to return to the wrist of its master once more.

Norman hasn't got a falcon right now, but hopes to capture one sometime soon. He has had two or three Goshawks, but never succeeded in taming one sufficiently for actual flying against game. However, he owns some fancy hawk-hoods, beautiful head-masks made of shaped leather and decorated with tufts of bright feathers. I've forgotten the proper term for the wrist guard worn by the falconer so that the birds' talons won't puncture the arm skin, and there's a name for the chain or thong attached to the falcon's leg while it is riding on its master's arm.

At one time falconry was the most popular sport of kings and titled lords, every court having its full-time falconers and special buildings and cages where the noble hawks were housed. Each bird was trained daily for many months before it was ready for field use. As practised then, the king and his nobles would ride out into game territory on horseback with much pomp and trumpet blowing and colorful pageantry, the falcons being housed in special horse-cages for the early part of the journey.

When hunting country was reached, the birds were hooded and carried on the wrists of the royal huntsman and nobles while beaters and dogs sought to scare up grouse, ducks and other game. When suitable victims were in flight, the falcons were swiftly unhooded and released to perform.

### Great Hunters

I have never seen a trained falcon in action, but have often watched wild hawks such as Peregrines, Praise Falcons, Merlins, and the red-eyed Goshawks strike down their food victims, and can testify that the swift pursuit is a spectacular thing to see despite the sad ending of death for the victim. However, the hawk kills only for food. In this respect, the falcon is a much finer sport than the human hunter, who kills far more

than the actual needs of the stomach and still calls it sport.

Young Norman wasn't so interested in the killing part of falconry as in the possession of such a perfect bird and intrigued by the training process. Probably there are not more than a dozen falconers in all of Canada right now, so certainly there is no need to be alarmed over any revival of the ancient sport for fear of its effect on game numbers. And at a time when most hunters and farmers persist in believing that every hawk should be shot on sight, it was refreshing to meet a chap like Norman who speaks of the birds with affection.

### Pest Controller

The hawk group has undoubtedly the most perfectly developed and specialized specimens on the bird family tree, yet mankind seems to nourish a special grudge against them. The sad part about it is that most hawks are very valuable friends of farmers, helping in the continual work of pest control.

This phase of hawk work has been stressed again and again by naturalists: how the broad-winged and soaring hawks (called Buzzards) feast on ground squirrels; how the Marsh Hawks go after mice; how the flashy little falcon of the telephone posts, the Sparrow Hawk, spends most of its time catching grasshoppers. It is also true that Goshawks and Cooper's Hawks occasionally kill barnyard poultry, but we should never forget that we see 50 good hawks for every 1 of the harmful type.

## Canadian Quiz

By GEOFFREY SHAWCROSS

1. Which was the first ship to navigate the North-West Passage from the Pacific to the Atlantic and to make the return journey completely?
2. Who commanded her on both occasions and where was she built?
3. Who first sailed the North-West Passage from east to west, and when?
4. Which noted Canadian sailor began a voyage around the world alone in 1895?
5. What event on his last voyage aroused global interest?
6. Which city was partially destroyed by a munition ship explosion in 1917?
7. Which part of Canada originally produced a powerful game-dog of outstanding intelligence?
8. Why is Belle Isle noteworthy?
9. Which was the first steamship, and a Canadian one, to cross the Atlantic?
10. Which is our oldest canal?

(Answers on page 47)

Apart from the conservation worth of hawks as mankind's allies, consider them as study specimens. The Osprey or Fish Hawk, with its spectacular swoop into the shallows of a lake or river, disappearing under water in a splash of spray to come pumping into sight with a fat sucker clutched in its talons. Then there is the common Marsh Hawk or Harrier; the female stays on guard near the ground nest during the fledgling season while the male hawk does the hunting, then he drops a mouse victim near the home territory which the female deftly catches in mid-air and carries back to the nest.

The shrill locomotive scream of Redtailed Hawks, soaring on updrafts of warm air above a ridge of hills to demonstrate the aerial skill which inspired mankind with the desire to fly. There is the dash of a Sparrow Hawk's amusing pursuit of an insect, or the thrilling chase of a Peregrine after a mallard duck. The duck flies at around 50 miles per hour, but experts claim that Peregrine Falcons exceed 150 m.p.h. during power performances. The falcon kills by using its knuckled talons, striking its victim on the back of the head to break the neck.

Even the much cursed Goshawk which comes boldly into a farmyard in winter time to snatch up a fat pullet still provides us with some interesting facts. I once walked under a

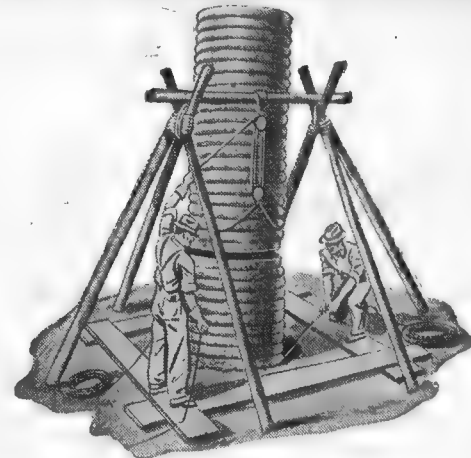
spruce tree where a female Gos had her nest on a branch twenty feet up from the ground. I didn't know the nest was there, until the brave mother swooped down and raked her sharp talons across the back of my head. Then she uttered the loud knock-knock of alarm and prepared to defend her precious babies, to the death if necessary.

Another time, boys armed with a .22 rifle took a shot at a mother Goshawk, blowing away part of her beak. She was in great agony and could not eat anything because of the injury. Yet that devoted wild mother kept hunting for her fledglings despite her suffering, carrying rabbit after rabbit to the nest until her fierce heart finally weakened and she crashed and died at the foot of the home tree.



"You're washing WHAT seat covers?"

So I was glad to have a talk with Norman, a lad who really loves the noble hawks belonging to our Finest Bird Family. We wished that we could take some of those who consider hawks to be vermin on a canoe trip down the river to watch the intimate details of hawk family life, or out to a special spit of land past which the hawks migrate in numbers every spring and autumn. Spend a little time watching them and you're sure to gain respect and admiration for these wonderful birds.



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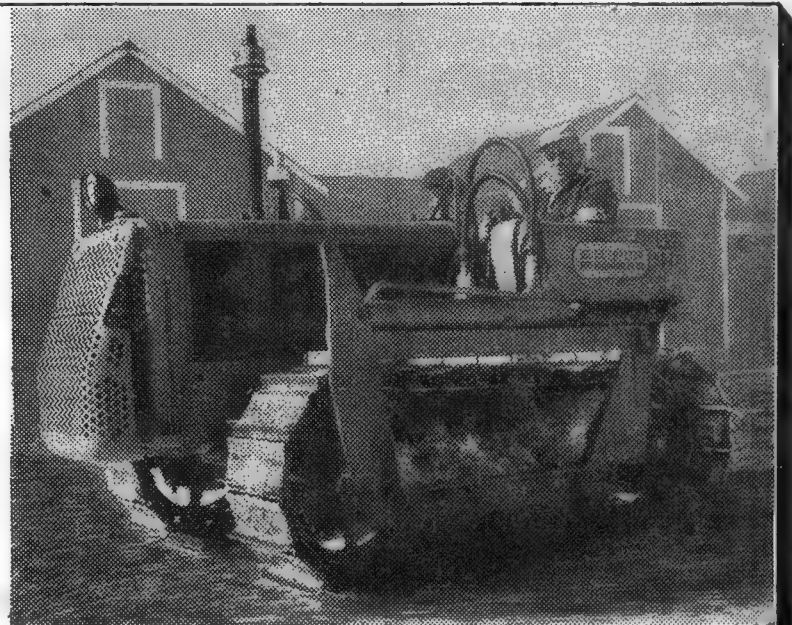
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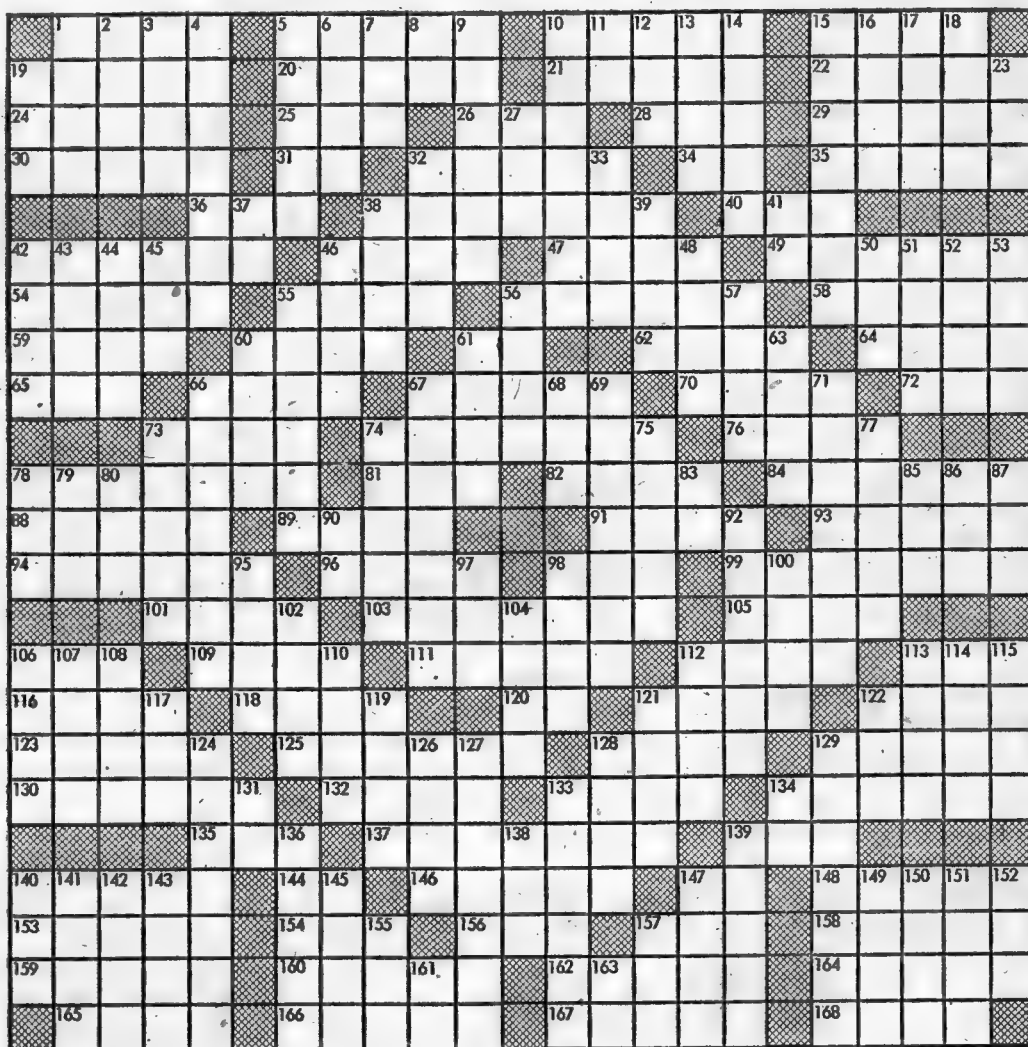
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## Feeders' Day on June 6

FEEDERS' Day, presented by the University of Alberta, Department of Animal Science, will be held at the University Livestock Farm, Edmonton, on Saturday, June 6th, commencing at 10 a.m.

Experiments completed during the past year have provided new and practical information regarding antibiotic, protein and mineral supplements for swine. In one test with beef cattle the use of straw in finishing rations has been studied, while the results of another experiment have emphasized the possibilities in the way of marketing hay and grass through feeder calves. A new protein supplement has been tested with dairy cattle, and experiments have been continued on rations for feeder lambs and for pregnant ewes. As usual, the major part of the program will be devoted to the experiments completed during the past year.

## OUR CROSSWORD PUZZLE



### HORIZONTAL

- |                              |                               |                               |
|------------------------------|-------------------------------|-------------------------------|
| 1 Dutch South African        | 60 Mud                        | 118 City in Peru              |
| 5 Beauty of form or movement | 61 Symbol for Iridium         | 120 Hebrew letter             |
| 10 Give wavy appearance to   | 62 Brings forth               | 121 American Indian           |
| 15 Warbled                   | 64 Yugoslav ruler             | 122 Ardor                     |
| 19 Tend                      | 65 Before                     | 123 To be of use              |
| 20 Ceremonies                | 66 Half a quart               | 125 Agile                     |
| 21 Wanderer                  | 67 Game bird                  | 128 Chum                      |
| 22 Part of foot-ball shoe    | 70 Large food fish            | 129 Squawk                    |
| 24 Masculine name            | 72 Name                       | 130 Rank                      |
| 25 Beverage                  | 73 Rapid                      | 132 Apportion sparingly       |
| 26 Golf mound                | 74 Embrace                    | 133 Soaks                     |
| 28 Macaw                     | 76 Ache                       | 134 Summon together           |
| 29 Pass a rope through       | 78 American comedian          | 135 Public vehicle            |
| 30 Place of combat           | 81 Prefix: through            | 137 Sectors                   |
| 31 A direction               | 82 Kind of fish               | 139 Kind of pastry            |
| 32 Strong box                | 84 First                      | 140 To analyze grammatically  |
| 34 French for "and"          | 88 Feminine name              | 144 Ebenezer (abbr.)          |
| 35 Finished                  | 89 Willingly                  | 146 Small depressions         |
| 36 Small boy                 | 91 Man's name                 | 147 Chinese measure           |
| 38 Capital of New Jersey     | 93 Old woman-ish              | 148 Small European herring    |
| 40 Compass point             | 94 Inheritance                | 153 Foreigner                 |
| 42 Sermon                    | 96 Ship officer               | 154 Female ruff               |
| 46 Wharf                     | 98 Feline                     | 156 Tierra del Fuego          |
| 47 A home in Greece          | 99 Results                    | 157 The sun                   |
| 49 Dross                     | 101 Ogle                      | 158 Apartment                 |
| 54 Friendly relations        | 103 Notched on the edge       | 159 Birds with adhesive bands |
| 55 Road                      | 105 Simpletons                | 160 Bird                      |
| 56 Muddles                   | 106 Feminine name             | 162 Sound quality (pl.)       |
| 58 Resort                    | 109 Appellation of Athena     | 164 Girl's name               |
| 59 Kind of hat (pl.)         | 111 'o lift                   | 165 Lucid                     |
|                              | 112 Heraldry: together        | 166 Collect                   |
|                              | 113 Gone by                   | 167 Rub out                   |
|                              | 116 That which resembles gold | 168 The very person mentioned |

### VERTICAL

- |                              |  |                                    |
|------------------------------|--|------------------------------------|
| 1 Beverage                   | 60 Cereal grain                                      | 106 Culture media                  |
| 2 Heraldic bearing           | 61 Destroy   | 107 Prima donna                    |
| 3 Level                      | 62 Preposition                                       | 108 Large dog                      |
| 4 Royally                    | 63 Kind of bomb                                      | 110 Among                          |
| 5 Majestic                   | 65 Support above an opening to carry super-structure | 112 Makes mistake                  |
| 6 To annoy                   | 66 Seed covering                                     | 113 Came to earth                  |
| 7 Goddess of infatuation     | 67 Cut in one stroke                                 | 114 To yawn                        |
| 8 Symbol for cerium          | 68 Fog   | 115 Extraordinary person           |
| 9 Feminine name              | 69 Peruvian  | 117 A twitching                    |
| 10 Tufted                    | 71 Indian  | 119 God of love                    |
| 11 Artificial language       | 73 Kind of cooky                                     | 121 Consumes                       |
| 12 The yellow bugle          | 75 Temporary cure                                    | 122 Bitter vetch                   |
| 13 Simple                    | 76 A dram of liquor (slang)                          | 124 Permit                         |
| 14 To talk idly              | 77 Place   | 126 Extorted                       |
| 15 Shriek                    | 79 Teach   | 127 A military force (pl.)         |
| 16 Scandinavian measure      | 81 Long-legged animal                                | 128 Confines                       |
| 17 Require                   | 83 Deadly spring                                     | 129 Surmises                       |
| 18 Donated                   | 85 Growing out                                       | 131 The ambary                     |
| 19 Mineral                   | 87 Baseball teams                                    | 133 Revolve                        |
| 23 Spread for drying         | 88 The pigeon pea                                    | 134 Note of scale                  |
| 27 Even (poet.)              | 89 One (Fr.)   | 136 Yankee catcher                 |
| 32 American Indian           | 90 Outfit  | 138 Hotel                          |
| 33 Related                   | 91 Land measure                                      | 139 Heart beat                     |
| 37 French champagne          | 93 1089 (Rom. num.)                                  | 140 Stroke                         |
| 38 Prong of fork             | 95 In music: high                                    | 141 Word of sorrow                 |
| 39 River of Africa           | 97 French plural article                             | 142 Bank of a river                |
| 41 Canadian province (abbr.) | 99 I am (contr.)                                     | 143 Observed                       |
| 42 Dislike                   | 102 Shooting star                                    | 145 Ray                            |
| 43 The tent-maker            | 103 Shout  | 147 Garden tool (pl.)              |
| 44 Imitator                  | 104 Period of time                                   | 149 To whine childishly            |
| 45 Pronoun                   | 105 Box  | 150 Small stream                   |
| 46 Portion                   | 106 Destiny  | 151 Tall crown of upper Egypt      |
| 48 Close securely            | 107 Driving line                                     | 152 Number                         |
|                              | 108 Mature   | 153 Character in Uncle Tom's Cabin |
|                              |  | 157 Nahoor sheep                   |
|                              |  | 161 Plural ending                  |
|                              |  | 163 Correlative of either          |

SOLUTION NEXT MONTH

## Let's boast about Western beef

NO place in the world can offer better beef than Western Canada and the restaurant operators in several western cities believe that tourists and others should be constantly reminded.

Visitors to Atlantic City think they should eat lobsters and other sea foods and restaurants spotlight these as features. In parts of the Eastern States the tourists' attention is directed to Johnny cake and maple syrup. And restaurant operators in the cattle country of Western Canada, working with the Council of Canadian Beef Producers, have resolved that "From Steak To Stew, Beef At Its Best" should be a cuisine feature.

Every boy has dreamed about operating his own candy shop and exercising a proprietor's prerogative to eat the best of his own products. One may wonder what cuts the butcher takes home for his dinner or what the restaurant operator selects for his meals when he does not have to ring the price up on the cash register. Obviously, restaurant people should be good judges of food. Confronted with a choice of good beef steak, good roast beef, good beef hamburger and good beef stew for today's meal, members of the Calgary Restaurant Association divided their votes: 37½% for good beef stew, 31% for roast beef, 19% for hamburger and 12½% for loin steak.

Calgary housewives were partly in agreement; in a random poll where the same choice of steak, roast, hamburger, and stew was offered with neither cost nor preparation to be considered, 16% of the housewives named the richly flavored stew as first choice for today's meal, while 12% chose the ground beef and the balance split evenly between steak and roast beef.

As the restaurant operators at Calgary have indicated most clearly, the goodness of beef is not confined to steaks and roasts. Although individual tastes may differ, the restaurant operators agree that the public has overlooked some of the supreme eating qualities in beef from the lower-priced cuts, beef which may be tougher but which is definitely superior in flavor. By appropriate cooking methods, as in beef stew, for example, toughness is overcome while the unequalled flavor remains.

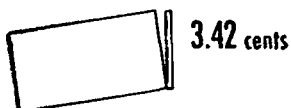
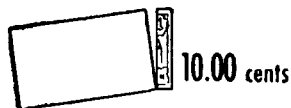
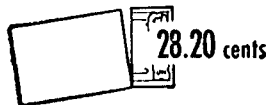
Socrates, 436 B.C.: "When I was a boy it was considered . . . honorable to create an estate . . . But now one must apologize for any success in business, as if it were utter violation of the moral law. So today it is worse to seem to be prosperous than to be an open criminal."



## Where does the money go?

At times most of us have looked at purse, wallet or bank-book, and wondered: "Where *does* the money go?"

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**TO REPLACE** worn out equipment and to make sure that we can supply your needs in the future 3.42 cents was put back into the business.



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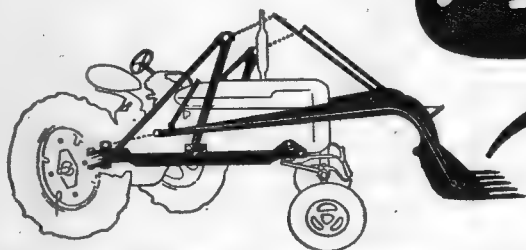
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# This is the end of the argument over "no Heaven and no Hell"

As we go to press the response of Farm and Ranch readers to the letter by Mr. James Henry is still flooding the office. We have managed to get about a quarter of them into this issue and those only by drastic editing. Regrettably, we have to call an end to this argument. No more letters on the subject will be published.

The Editor.

To the Editor :

I am a Christian man myself and I would like to help Mr. Henry to see the Light even though I see he is a non-believer. I would like Mr. Henry to have the great joy and peace of mind that I have known since I gave my life into the keeping of the One who dies on Calvary's Cross for me. It certainly is a very real thing. Mr. Henry says there is no evidence whatever of another life after this. Spring follows winter and summer follows spring, the seasons come and go with never failing regularity. The sun and moon are always with us and are always on time. Does Mr. Henry think that this can happen without an all-wise Ruler who oversees all things? How does he figure that this could happen without it was planned? And I will say regarding the life after this if he once came to know his Saviour Jesus Christ he would no longer doubt whether there was another life after this.

Joseph Teasdale.

Sologirth, Man.

To the Editor :

It's been a long time since I have pitied any one as much as I did James Henry, after reading his letter in a recent issue of your paper.

Listen, brother, can you look up into the star-studded sky at night—see all the beauty and majesty there, everything in order and moving with us through limitless space, and then doubt the existence of a Supreme Be-

ing who controls it all — or, are they just old, common things that have always been and just old trash along with God and the Bible and Christian faith?

You discountenance faith? Well, brother, if you are a farmer you are a man of faith or you wouldn't sow your grain. If you are a business man you have faith in what it will do for you. Your whole life is built around faith.

Mrs. T. N. Eddy.

Battleford, Sask.

To the Editor :

In your March issue, Jas. Henry of Lloydminster says there is no heaven or hell, nor any evidence of a future life. I can agree that dogmatic religion has been a "great racket" and that most Christian churches insist upon belief founded only upon faith in the distant past, rather than evidence of the present time. People who are daily providing such evidence (often similar to experiences in Bible times) are often ruthlessly attacked by preachers. (Because some of the facts learned through contact with heavenly spheres do not agree with traditional beliefs, and preachers are unwilling to learn the facts.) (They might lose prestige! Though preachers could still serve usefully by teaching natural facts.)

J. H. may be equally unwilling to learn, but sooner or later, like everyone else, he is certain to learn that life does continue after death, and that

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his soul will still inhabit a body, even if the outer shell should be blown to bits, or be cremated. The physical body is never resurrected, but the spiritual body is ours during our entire life on earth, and afterward. The spiritual body, and the soul within it, continuously build and hold together, the ever-changing particles which form the physical body. When the spiritual body escapes from the physical, the latter disintegrates and is useless. (Think of a butterfly leaving it's cocoon.)

Physical material, reduced to its ultimate, is electric vibration. Spiritual "material" has the same source, but the vibration is different. One material does not conflict with the other for the same reason that radio programs widely separated on the dial, do not conflict with each other.

Leta R. Porter.

Czar, Alta.

To the Editor :

In perusing your latest edition with its pleasing items of interest I was abruptly dumfounded and ashamed at what I saw on page 30, entitled "No Heaven and No Hell", by a James Henry. Shame on you, Mr. Editor, for allowing such scurrilous stuff to pollute the pages of your otherwise clean paper, though it is doubtful whether such a man (?) can do much harm as his intellect seems like something from the dark ages, something rearing its head out of a slimy pool in darkest Africa. Even the heathens in Africa had a God. This poor guy never even had a Creator? Well, the day is coming when he will plead to the Creator for mercy and find out he was not made like he classes himself (an animal).

J. R. Appleyard.

R.R.2, Courtney, B.C.

To the Editor :

Mr. James Henry's letter (March, '53) is a splendid illustration of the truth of two scriptural passages, viz.: "The carnal mind is enmity against God." Rom. 8:7; and "Ye must be born again." John 3:3. Judging from Mr. Henry's letter he still retains the carnal mind and will continue to do so until he has had the new birth. Until he accepts God's word his understanding of spiritual things will remain darkened.

Mr. Henry says, the idea of the souls going to heaven after death has been exploded and proved a myth. I regret he failed to tell us by whom the "myth" was proved. It is true you can fool some people any time, but you can't fool all the people all the time. God's word says there is a heaven after death, and His word for nearly two thousand years has stood the test of time, a rock invulnerable against all the assaults made upon it by atheists and other agents of Satan and this Word will remain a mighty fortress long after Mr. Henry "has mouldered in dust away". Shall we believe God's Word or listen to the fiction of Mr. Henry?

A. N. Tapscott.

Ottawa, Ont.

To the Editor :

I recently read your letter entitled "No Heaven, No Hell!" which appeared in the March issue of the Farm and Ranch Review, and I am just writing to tell you how very sorry I am for you, even though you are a stranger to me. How dreadful to live without belief in God and His promises; how terrible to die, without a firm belief in the reality of a future life.

What! No glorious adventure of the hereafter, just darkness and decay? We, who have known love, and pity and sacrifice? We, who have so thrilled at the accounts of occasional

heroism and greatness in our fellow-man, and rejoiced in the beauty of God's creation all about us to simply fall and rot like an old tree, with that "something" within us which at times climbs to the stars, blown out like a candle in the wind?

No! Thank God! I cannot believe it. It survives death of the body, and develops towards perfection.

You say, I quote: "There is no evidence whatever of another life after this." (How true the saying that "none so blind as those who won't see".) Now to me, the evidence lies all about us; for instance, in spring's renewal; in the "corn of wheat" and other seeds which cannot truly live, unless they die, and so on ad infinitum, throughout the whole story of man's life and growth. All things, scientific and "natural", as well as spiritual, point to increasing growth and development, both here and hereafter, or so I earnestly believe.

Mrs. May E. Davis.

Regina, Sask.

To the Editor :

I read in the Farm and Ranch Review of March a letter entitled, "No Heaven, and No Hell". Has Mr. Henry ever seen the glory on the face of a dying Christian? One could not help but believe then. We have the Bible to prove that there is a heaven and a hell. The Bible has survived for 3,000 years, and no other book is like it. It is the Inspired Word of God and not fairy tales. Take, for example, the command, "Thou shalt love thy neighbor as thyself." If people kept this there wouldn't be wars, thefts, selfishness, etc. As for God, the Creator of Heaven and Earth, not being able to resurrect cremated bodies or those blown to atoms is folly to believe. "The fool hath said in his heart, There is no God" (Psalm 14:1).

Susie Regehr.

Niagara-on-the-Lake, Ont.

To the Editor:

It is refreshing, indeed, to read in your March issue the article of James Henry, "No Heaven and No Hell". Both of you should be congratulated sincerely for your courage, you in printing it; Mr. Henry for writing it.

The truth is that our so-called "christian civilization" is an enormous fraud has no foundation in fact. In the Municipal Public Library of New York there are 189 books dealing with the question, what is the true name of the old Hebrew and presently our Christian God? And not two authors of these 189 books do agree what it is and how it should be read or pronounced, because in the old Hebrew scriptures it is only mentioned by four Hebrew letters that look like this (and we read from right to left): Latin equivalent H W H J.

Let us now transpose this Latin equivalent in its proper left to right position, viz.: J H W H and you can get at least 12 dozen words by putting vowels in between these 4 consonants, ahead or behind them, no matter which. It is, or at least it was, a puzzle since A.D. 1000.

Dan Piscetosh.

High Bluff Bridge.

To the Editor :

I saw a letter from James Henry where he says there is no heaven and no hell, and where he asks, why print such stuff and nonsense as Dr. Morley writes? Now, I would ask the same of James Henry's philosophy.

And why try to destroy the best influence the world has? Without the Christian faith, humanity is doomed.

As for thousands of people finding easy jobs by it, that's a dirty slam. Preaching the gospel never was easy work. And no real and earnest

(Continued on page 32)

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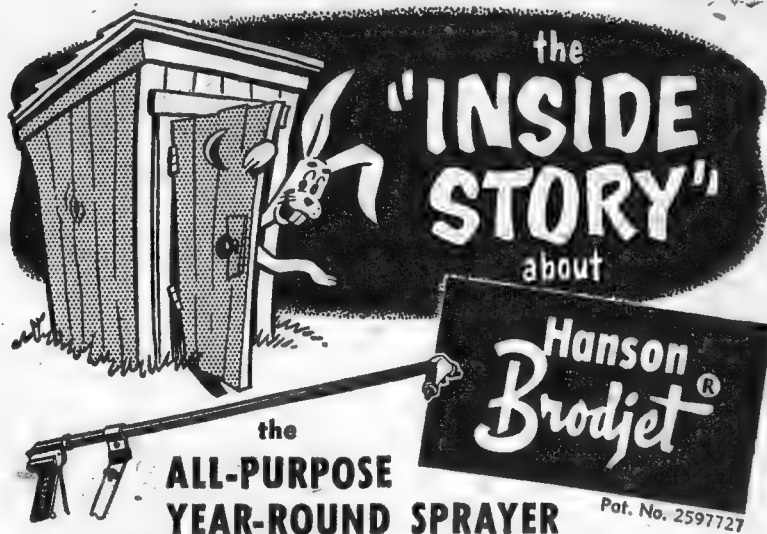
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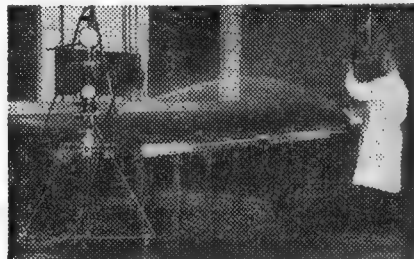
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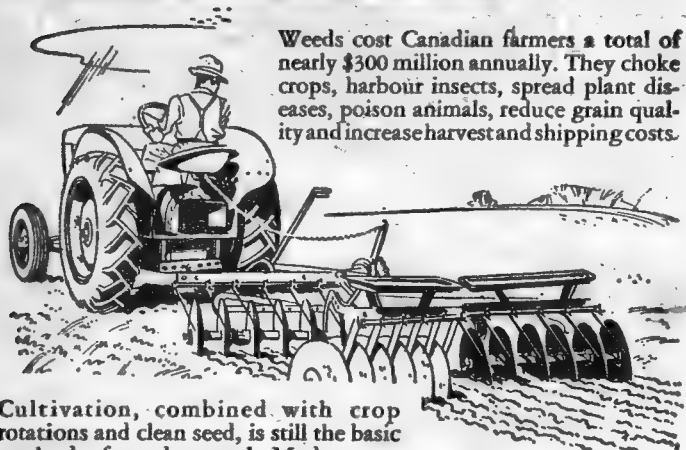
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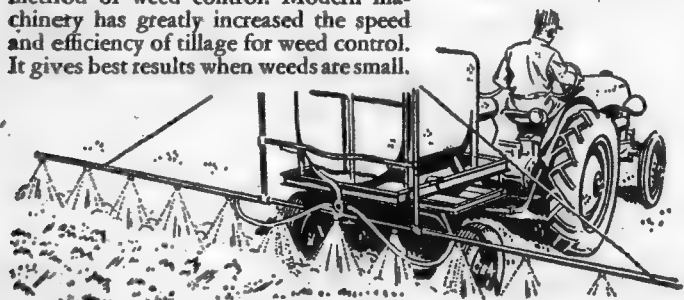


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(Continued from page 31)

Christian has ever gotten rich by it either.

I'm sure James Henry would be very surprised and disappointed if he had to live on a salary, and under conditions and circumstances such as thousands of earnest Christian workers have done.

James Henry's letter proves nothing either.

Mrs. W. Stolyn.

Monarch, Alta.

To the Editor:

Our life is short and we must all pass on. Why we should not search for light, how to get to heaven? With regard to the fact, that there is a heaven and a hell, the teaching of Christ, the Son of God, are for me of greatest importance. The Lord Jesus states in the Gospel of St. John 5:9: "Search the Scriptures: for in them ye have eternal life and they are they which testify of Me." Jesus Christ, who was most concerned about the people, teaches in many portions of the New Testament about heaven. For example in Matth. 6:9: Jesus teaches us to pray with the following words, "Our Father, which art in heaven..." In St. Luke 6:23, Jesus says: "Rejoice ye in that day and leap for joy: for behold your reward is great in heaven." In St. Luke 10:20: "But rather rejoice because your names are written in heaven". In Luke 16:22, 23: Christ gives an account of a man as follows: "The rich man died and was buried; and in hell he lifted up his eyes, being in torment, and seeth Abraham afar off, and Lazarus in his bosom." In Matth. 10:28, Jesus Christ speaks of God as follows: "But rather fear him, which is able to destroy both soul and body in hell."

Jacob P. Dueck.

Box 176, Coaldale, Alta.

To the Editor:

The letter by James Henry stating there is no evidence whatever of life after natural death is a challenge to everyone that believes in God. If there is no eternal life then there is no God. That is what Nebuchadnezzar and his sons thought, and J. H. should read in Daniel, Chap. 2 to 5 inclusive what happened to them. The dream and its interpretation was fulfilled to the very letter. Don't just read the Bible, read the history of Babylon.

Leon Willett.

Paynton, Sask.

To the Editor:

May I have space to reply to Mr. James Henry, Lloydminster, re No Heaven and No Hell? Mr. Henry's views are based on material evidence only, but that is no proof that that evidence is true.

That the world and all that is in it is created and based on material chance and premise is an utter absurdity. You would have to make matter intelligent, and I ask you is there any intelligence in a shovelful of dust; is there any intelligence in a kernel of wheat, or a bird's egg, yet the wheat feeds the bird, and the bird has a degree of intelligence, then whence the intelligence, there must come spirit or mind from somewhere.

Fred F. Cameron.

Rocky Rapids, Alta.

To the Editor:

I read the letter to the editor about "No Heaven and No Hell" and would like to say this about it.

In Psalm 14:11 we read, "The fool hath said in his heart there is no God." No evidence? There is the evidence of the Bible and millions of

people are sure of the truth of the holy scriptures. There is also the witness of nature. In Psalms 19:1 we read: "The heavens declare the glory of God, and the firmament sheweth his handy work." No man can make a world, not even the smallest plant or creature.

N. Vriend.

Houston, B.C.

To the Editor:

I was very much surprised to read an article in your paper re "No Heaven or Hell". I also felt very sorry for the writer and would suggest to him that if he really believes as he does and is not just putting up a bluff he read about One who came to this earth to teach us how to live here, and if he follows with all his heart those teachings found in Matthew, Mark, Luke and John he will create a heaven for himself and those with whom he comes in contact. He need not worry about the hereafter for that cannot be avoided, and none of us are sure just what form it will take, even though we do know that day cometh after night. We also know that when we sow a grain of wheat it dies itself, but brings forth more wheat.

Mrs. Gertrude Bishop.

Three Hills, Alta.

To the Editor:

In your March issue in the readers' column, James Henry of Lloydminster commenting on Frank Morley's sermon, writes: "And about the soul going to heaven that has been exploded and proved a myth." He also writes: "The fact is that people have been forced to believe these absurd doctrines and creeds of the Christian Church on pain of their lives."

Now I would like to ask when this Christian believes in life after death was exploded and proved a myth. I have read and heard of numerous cases where Christians paid with their lives for refusing to deny God, but to the best of my knowledge and recollection have not heard or read of any specific case where any human being been put to death for refusing to believe in God.

John Adolph Johnson.

Wetaskiwin, Alta.

To the Editor:

Now I want to defend the Christian Church in regards to an attack made against it by the writer of "No heaven and No Hell" article. Firstly, he states there is no evidence of another life after this, that is, life here on earth. I am going to offer an argument and refute that claim by thus saith the Lord. In Revelation, Chapter 19: verse 1, we read, "and after these things I heard a great voice of much people in heaven." In St. Luke, Chap. 13, verses 22 and 23, "The rich man also died, and was buried; and in hell he lift up his eyes, being in torments." Now, I could give many quotations, but we all have free access to God's Holy Bible and can look for ourselves. There is a heaven and there is a hell.

Henry C. Funk.

Rosetown, Sask.

To the Editor:

I noticed an article by James Henry, Lloydminster, Alta., on "No Heaven and No Hell".

The Bible clearly teaches us that there is both.

The first reference I would like to refer you to is Revelation 20: 13-15: "And the sea gave up the dead which were in it; and death and hell delivered up the dead which were in them: and they were judged every man according to their works. And death

and hell were cast into the lake of fire. This is the second death. And whosoever was not found written in the book of life was cast into the lake of fire."

Also Revelation 21:1: "And I saw a new heaven and a new earth for the first heaven and the first earth were passed away; and there was no more sea." I do hope this article will be published.

Katherine E. Klassen.  
Winnipeg, Manitoba.

To the Editor:

I had not realized what a noble paper the Farm and Ranch Review was until just recently. From now on I think I shall keep each issue for a reference. In the March issue there seems to be a controversy between a Mr. Frank Morley and Mr. James Henry. I did not read the article by Mr. Morley, but I see that Mr. J. Henry has, in the March issue, exploded a bomb in which the "A" bomb is no equal. The reverberating echoes are coming from near and far. Mr. Henry does not believe in Mr. Morley's teachings — neither do I. It seems, Mr. Morley has a heaven that he is going to tell his followers how to get there. Perhaps he will put in a streamline train and sell tickets for reserved seats. Just where is this secret heaven?

God tells us plainly where his heaven is.

Genesis 1: 6 "And God said, Let there be a firmament in the midst of the waters, and let it divide the waters from the waters.

1: 7 "And God made the firmament, and divided the waters which were under the firmament from the waters which were above the firmament: and it was so."

A. O. Fisher.

High River, Alta.

To the Editor:

Have followed with interest the recent debate re "heaven and hell" and would like to add my humble worth. I realize that you must be fed up with this "issue" and so if you find my letter too trivial and unworthy of space in your excellent paper, please do not print it. I understand your space is reserved for more important matters.

We were glad to learn there is one paper in Western Canada that believes in complete "freedom of expression" and like Voltaire, "even though you might not agree with what we say you are respecting our right to say it."

Thank you, Sir!

Helen Ninkovich.

Box 203, R.R.1.,

Red Deer, Alberta.

To the Editor:

You are to be commended for publishing James Henry's letter in your March issue. It is rarely that a paper will publish an unorthodox letter.

I can agree with much of Henry's views but I feel that he is too dogmatic. One Atheist cannot hope to convert the world, for those who oppose his views have never read anything (or very little) in favor of Atheism and cannot be expected to understand. There were so many letters in reply that it would be too space-consuming to answer each individually. Henry is quite correct when he says every religious argument has been defeated by constructive Atheism, or words to that effect.

R. S. Blois.

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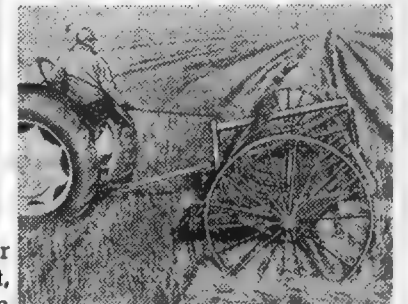
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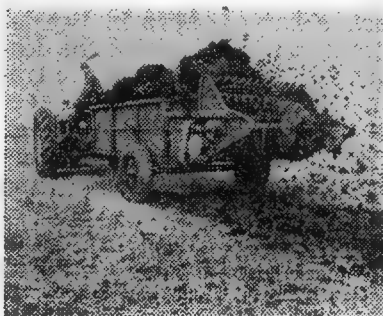
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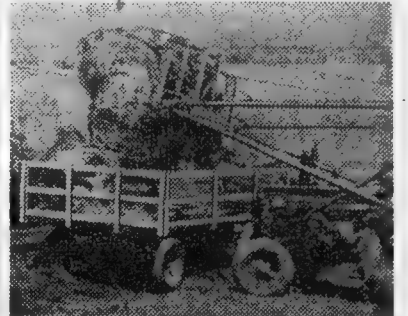
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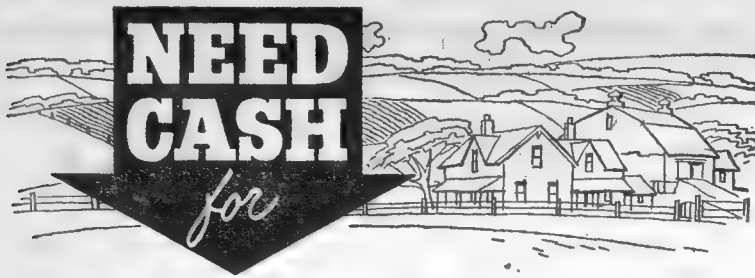
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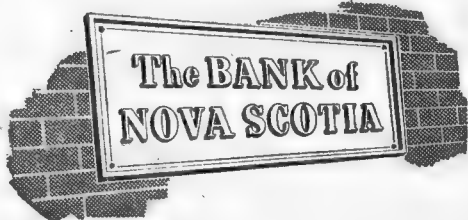
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## Do you ever ask— is the Lord among us or not?

By DR. FRANK S. MORLEY, Ph.D. (Edin.), B.D.

IN the seventh chapter of the Book of Exodus the Israelites ask, "Is the Lord among us or not?" The question is unbelievable, utterly fantastic. Other nations might ask this question, but not the Israelites. Not these people whose whole history had been one astonishing miracle, the unfolding of the plan of God according to a prediction and a promise that He had made long ago with Abraham. What astounding ingratitude, what spiritual blindness, to ask now, "Is the Lord among us or not?"

Look at their history. The establishment of Joseph as supreme ruler in Egypt next to Pharaoh himself was itself a miracle. It saved the family of Jacob and made possible the growth of the Israelite nation in Egypt. Then we read that, "There arose up a new king over Egypt which knew not Joseph." So the Egyptians forgot what they owed to that great and good man and how he had saved them from a dreadful famine. They began to persecute his descendants and relatives.

### Second Miracle

Then came another miracle, the saving of Moses by the intervention of the Egyptian princess. Goethe always removed his hat when he met a child because he believed he might be in the presence of some future genius. God's plans always begin with a baby. When Caesar reigns triumphant and is worshipped as a deity, when Herod dominates Judea and Pilate sits on the Judgment Seat, a baby is born in Bethlehem that will determine the destinies of mankind far more tremendously than Caesar ever dreamed of doing.

So this baby, Moses, grew up under his mother's tutelage and retained his Jewish patriotism. Forced to flee because of a violent action, he tended sheep until one day he heard the voice of God speak to him from the Burning Bush. There he received his great commission to deliver his people. Unwilling and afraid at first, he is given courage by God's promise, "I will be with thee". That promise was never broken.

Pharaoh suffered one plague after another to desolate his land. During each plague he promised to let the nation of Israel leave Egypt, only to change his mind as the plague abated. Sinners are usually that way. I have known many a man whose crime brought him into the police court to promise to reform his ways if only he were given another chance. When he was set free back he would go to his evil ways.

"The devil got ill, the devil a saint would be;

The devil got well, the devil a saint was he!"

Finally Israel was delivered from Egypt and the Egyptians in pursuit were destroyed in the Red Sea. The Israelites carried with them the bones of Joseph, reminding them of their traditions, the promises of God, and their deliverance. When they were hungry they were provided with Manna — meaning, "What is it?" This provision was the setting for the words in the Lord's Prayer, "Give us this day our daily bread". So the Lord had delivered and sustained them with repeated miracles. What base ingratitude to forget! But is this different from ourselves? How often we too ask, "Is the Lord among us or not?" We who have a thousand mercies, ten thousand reasons for thanksgiving. Have we lost our memories altogether?

### Life Can Be Changed

I believe that a right answer to this question can change your whole life. William James said that, "The greatest discovery of my generation is that human beings can alter their lives by altering their attitudes of mind". We want to alter everything else except our own minds. If only we lived somewhere else! If only we could change our house and live in a different one! If only we could change our employer! If only we could change our family! If only we did not have such wretched relatives or neighbors! If only we lived in a different age! Yes, the one thing that would change our entire situation — we will not change. Change your mind and you will change everything.

Here is a mother who says, "I feel so inadequate". Here is a business man who says, "I'm just not up to it". Now the fact is that no one is adequate for life. No one is strong enough to face the problems, the dilemmas, the sorrows, the mysteries of life. No one. Anyone who says he is able by himself is ignorant. Any one who says he is strong enough and wise enough is a fool. Wise men are aware of their weakness and ignorance.

### Source of Trouble

A man went to a psychologist complaining of an inferiority complex. The psychologist diagnosed him and said, "You have not a inferiority complex. You are just inferior". And we are all inferior by ourselves. Paul said, "Our sufficiency is of God". So when we ask, "Who is sufficient for these things?" we reply, "No one. We can only be strong when the Lord is among us". If a man believes the Lord is with him, he becomes a giant. The only strong men to have known have been men who felt that the Lord was with them. Even evil men like Napoleon and Hitler felt a strange destiny con-

trolling them. If you can take the Lord with you into every act of every day you will be strong. Not otherwise.

Ask of your home, "Is the Lord among us or not?" The John Young family in Virginia raised fourteen children. They saved some money, but lost it when the bank failed. Their farmhouse burned down. They had serious sickness. They had no "baby bonus". Yet all the children were educated, though they went to school without shoes and wore feed sacks as clothing. They all finished high school, and most finished college. Six were valedictorians. Five won scholarships. One gained a doctor of philosophy degree. One was a nurse, another a librarian, five were teachers, one was a musician, four became contractors, and one became a farmer. How did the mother do it? She said the reason was found in the motto, "Christ is the head of this home".

#### Cure for Care

A business man came to the end of the road, broken in his business, broken physically and mentally. Then he made an astounding comeback. His clergyman visited his magnificent factory one day and went through it. Then he went into the office and was surprised to see a Bible on the desk. Smiling the business man took up the Bible. "This is the most up-to-date thing in my factory", he said. Then he turned to the verse, "The Lord is the strength of my life; in this will I be confident". "That verse put me back on my feet".

It is well for a Church to enquire if the Lord is among the people or not. Too many Churches depend on organization, or membership and income. Too many ministers depend on their own oratorical gifts. A grand old Scots min-

ister was late in going into his pulpit. They sent the Beadle to bring him. He came back to report that the minister was talking with someone and saying, "I'll not go into that pulpit unless you will go with me".

My friend, this text can change your life, I promise you! If the Lord goes with you, even the Valley of the Shadow will bring no fear of evil. Every association of every day will become part of God's desire for you, part of the experience of life which can be turned to good account. You will be saved from bitterness, saved from mental breakdown, saved from being lost, perhaps saved from suicide. Your life can be radiant. But this is the only way: be sure that the Lord is with you. Make Him your Companion.

King Edward VII and his wife were walking on the lonely moors and the Queen sprained her ankle. The King helped her hobble to a small house and there he knocked on the door. The old man put his head out an upstairs window and shouted, "Who is it?" "Edward, the king", was the reply. Indignantly the householder slammed the window. He was being fooled. But Edward knocked again. Then the old man came to the door and found out how true it was. When later he would tell the story of how the king came to his home he would say wonderingly, "And to think I almost didn't let him in".

So with you. Some of you will put this message aside. You just won't consider it. You won't try. Others will take it gladly. It is just what they have been waiting for. But most will hesitate. They are so uncertain. Is that the way with you? The whole destiny of your soul is at stake — and to think, you are almost not letting Him in!

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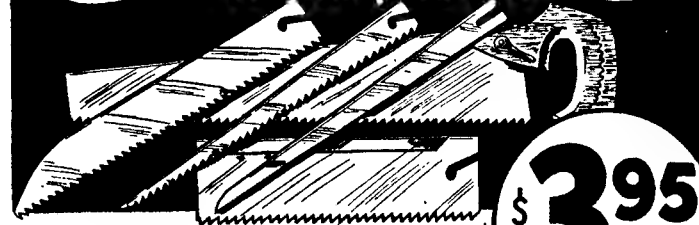
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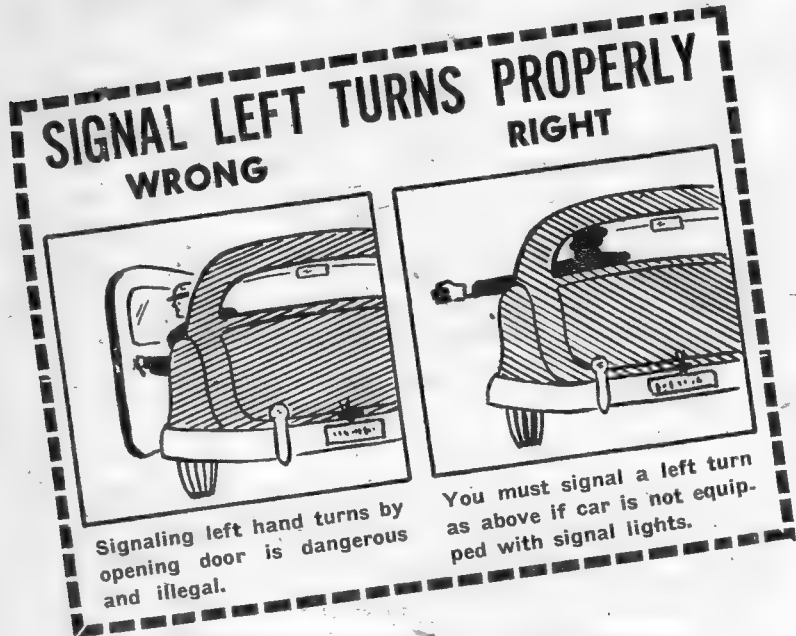
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## Infallible way to destroy wild oats

By RUSTICUS STUDIOUS

**B**ADLY infested field should be disced and cross disced by light (loose meant) discs, and crosswise. This will cause some wild oats to germinate, not all though. The germinated oats could be killed by plowing it under in September or October. The plowing should not be deeper than 3½ to 4½ inches. It will bring those wild oat kernels, which did not germinate, closer to the surface for next spring germination.

In the spring, stir the field with sharp harrows and let the field grow all the wild oats it can, but watch when it begins to show first tips of heads. Hurry up and get your mower as fit and sharp as possible and mow the field for hay. If it is a large field, get a neighbor or two to help you. It must be mowed all in one or utmost two days.

Let the rows get 75% cured, then windrow and allow the curing process be completed in the windrows. When you take a few straws and they'll break in twisting, the curing is done. Bale or stack according to which is better or preferable for your conditions financially and as to labor help. Baling is of course preferable as it gets the leaves, etc.

As soon as hay is removed, plow from 4½ to 5½ or 6 inches. This will turn under living crowns for manure and bring a new layer of between 4½ to 6 inches of soil with those kernels or oats did not germinate.

Keep harrow tied behind the plow to smooth the furrows and prevent formation of lumps. Immediately after plowing cross harrow, if the year's rainfall is normal, or cross pack with cock-wheeled packer. This will cause the balance of the wild oats to germinate, and if it is thick enough yet, let it again grow till it starts showing tips of heads, when go again with the mower and cut it for the second crop of hay. If the wild oats are thin, seed thinly, barley and oats, and cut them both for hay.

In this way you'll have two crops of hay which is liked by all live stock and milking cows especially as it will contain a lot of nutritious sweet food. Watch the curing that it be complete, and feed with another hay as it tends to be laxative.

**Good Food**

No doubt there will be in such hay an odd mustard, stinkweed,

## Meditations at twilight

By A. L. MARKS

**D**O you ever put off something you really want to do, until you should have some "spare" time — only to discover each time there is no such thing as "spare" time, and that there is only "time"? And that the one who knows that fact, and acts upon that basis, is the happy, busy, fortunate and successful person?

Have you ever realized, if you want anything done for you, quickly, you invariably go to a busy person — to one who realizes the value of time and gets full value from it, by putting full value into it? It is so, isn't it?

You never go to a person who is always mentioning about having to "kill" time. No, sir. You know he would be killing your time that you want used.

I know a chap who, as a young man, completed a three-year professional course in college in the second semester, only, of the first two years; and had only the third year in full, to complete his course.

Not only that, but he also had to work during the day, for his living, while the other students were permitted to use their full day for study. The lectures in the course were all held in the evening, which gave him the opportunity to do it—if he could. During the full period of his college work, also, he taught a Sunday school class and attended church every Sunday.

I am compelled to say that, in the closing days of the second year of his course, he fainted one day, and the doctor who was called told him if he didn't stop trying to accomplish his purpose, under the prevailing conditions, he would break down with nervous prostration.

He didn't stop, but, instead, in the holidays got a job which kept him out doors and necessitated a walk of about 20 miles each day over the hot pavements collecting debts.

When the fall term opened, his health was such that he could, and did, finish his course with a good standing.

Another young man, intending to take a theological course, when told what the other person had accomplished, I learned afterwards, put off his college course for two years, until he had earned enough to put him through.

But the former has never forgotten the value of little odd moments of time and how useful they can be; and he is inclined to smile when he hears someone, whose time is, obviously, largely, unoccupied usefully, say: "I haven't got time," or "I'm going to" do something.

I repeat, "There is no such thing as spare time." There is only time. It is meant for use — all of it — and you will surprise yourself and others by what you accomplish if you act upon that conviction.

lambsquarter, Russian sow thistle and other so-called noxious weeds. The curing process and baling or stacking will make them all palatable and nothing will be wasted.

If by this economically cheapest and practically the easiest way you don't destroy 99% of wild oats, then I don't know of any other, even the most expensive, that will do it. It was a full success with me every time I applied it when I formerly farmed in Alberta and now when I do so in Manitoba.

#### Too Costly

Summerfallowing is a costly method. Duck-foot cultivation even in two successive summer-fallows does not kill wild oats. It has two nodules or crowns on its roots. If you cultivate shallow, you cut only the first nodule and it will start growing from the second. If you cultivate deeper, you lift up both unhurt and only transplant it. Quite a lot will recuperate and grow again.

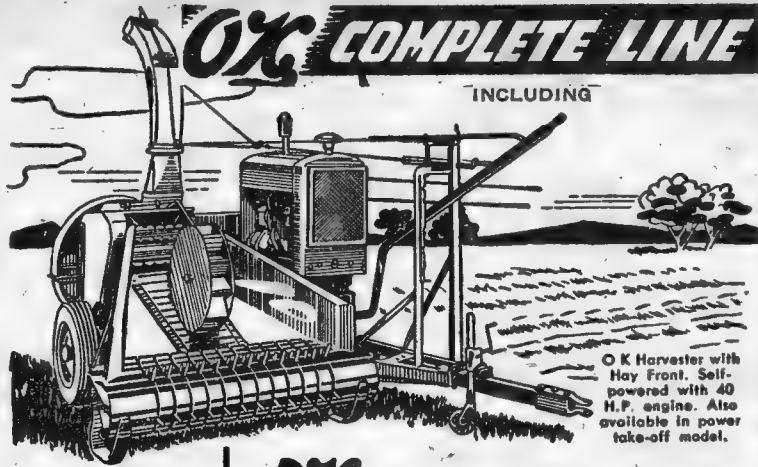
Your costly work was only fractionally successful. You lost a year without income. You exposed your black fallow to wind blowing and erosion, and you did not obtain even 90% kill. My way you did by successively turning up new layers on top and making the seeds of oats germinate. By allowing it to grow up to the heading stage you compelled it to bring over 60% of its nourishment into the stem and leaves and so weakened the roots, which, when you plowed them under, will decompose and enrich your humus fibre, whilst at the same time you acquired from 1 to 3 tons of finest tame hay per acre in said two cuttings.

#### Wheat Pool appointment



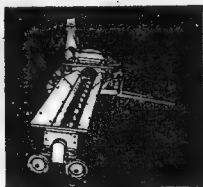
T. E. Oliver, who has been assistant manager of the Alberta Wheat Pool, has been appointed acting manager to fill the vacancy caused by the death of the late R. D. Purdy. This announcement was made by Ben S. Plumer, chairman of the Board of Directors.

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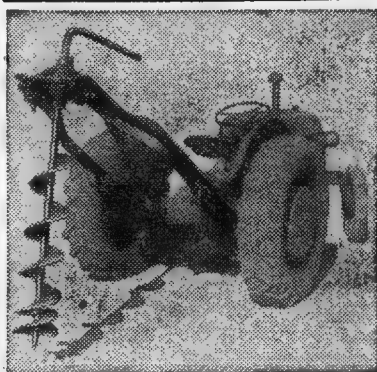
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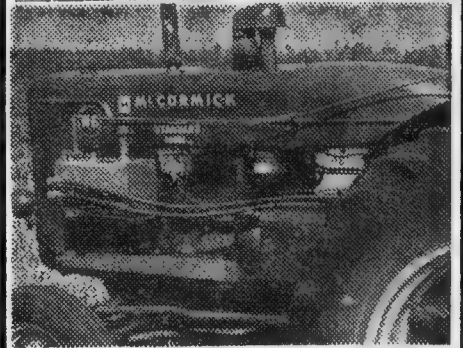
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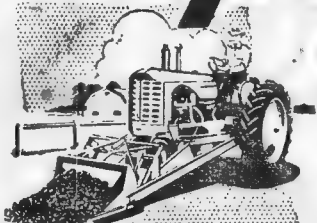
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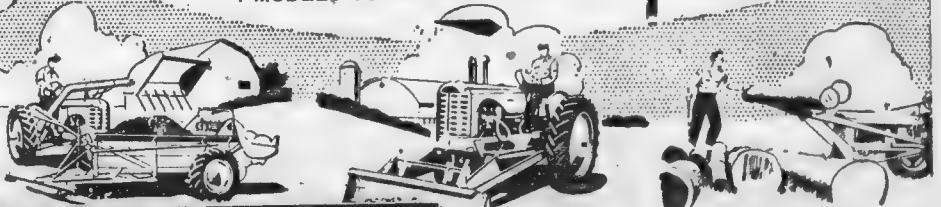
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## The old style farm kitchen had lots of room in it

By HARRY J. BOYLE

WHATEVER has become of the old-fashioned farm kitchens? Today's farm kitchens are but a shadow of their former spacious selves. Streamlined and modern, designed to cut down on the housewives' steps in a day, they certainly have less room for the varied activities that were carried out in the old-fashioned ones.

You can say what you like but the kitchen has always been the centre of the farm home. When the neighbors dropped in, they were entertained in the kitchen. When so called "important" company came along they were ushered into the stiff, uncomfortable parlor room. The sheets were pulled off the chairs and after a quick airing which failed to get rid of the musty odor, the folks were shown into the front parlor. How we longed to get back into the comfort of the kitchen!

City folks wondered why the farm kitchens were so big. They had to be big. Take for instance the woodbox. Our woodbox at home was as big as some of the so-called kitchenettes that they have in the city. It took a filling once a day with plenty of room for kindling.

When we progressed to the point where a cistern pump was in order a very large pump was installed with a sink. The sink was as big as many of the modern bathtubs, but around dinner-time it was nothing to see Dad and the hired man washing their hands at the sink while Mother pumped water into a pail for filling the reservoir up with.

Along about this time of year Mother's window boxes would begin to show life. The moist, loamy earth was packed into boxes and put away in the cellar in early fall. Late in the winter we had to bring them up for the planting season. Tomatoes, cabbage, radishes and flowers were all planted in the boxes for early transplanting.

Dad used to poke at the boxes

with his finger and enquire if they would ever come up. Mother would threaten to throw something at him, and gently pat the earth down where he had been rooting with his fingers. Finally, the plants would spring green sprouts up through the earth and we would watch with interest to see which would be first. The boxes were always placed where they could pick up the morning sun and in the afternoon they were moved across the room to pick up the afternoon sun.

Lambing time usually resulted in one or two lambs whose mother had passed away. They would be spread out on a comfortable rug behind the stove and we used to fuss over them with a bottle of milk and a nipple. The same thing applied to pigs. Mother put up with all this traffic through her kitchen in a good-natured way, although she did balk at the time when Dad brought in a whole family of little pigs for attention.

### Big Furniture

The kitchen furniture was always large. For instance the rocking chair in front of the stove that accommodated the head of the household perfectly, could carry on occasions two of the family without a great deal of difficulty.

The sideboard was very large. A maiden aunt of mother's gave it to her one time, and it survived for many years. Each spring a coat of paint was applied quite liberally. This added to the bulk of the massive sideboard, which Mother cherished for the simple reason that "Auntie" would be hurt if it were discarded.

The kitchen was large... and comfortable... and the family spread around it in the evening. Mother used to knit beside the table with the lamplight, and after father had perused the paper he would sit in front of the stove while we children explored the shadows of the big, homey room.

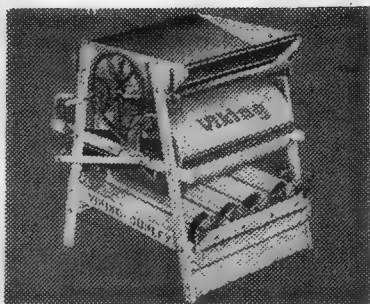
## Grandpas are mighty important!

By LOUISE PRICE BELL

CHILDREN who have two sets of grandparents are doubly blessed for these older people are mighty important to our children. Grandchildren are often one of the main interests in the lives of our own parents for they can enjoy them while not having the serious responsibility of them, as they did with us, their children. Whether the grandchild is just able to sit up and say grandpa in an unintelligible manner that will delight the other person's heart, or old enough to sit quietly in a big chair with his grandfather and hear story after story, the relationship is a wonderful one and something youngsters who have no grandparents miss.

Grandmothers are important, too, but little boys, in particular, cling to their grandfathers at every available opportunity, want to go on errands with them, help fix the garden, or anything the older man may have as this current project. So if your children have grandparents make sure that they spend as much time with them as the older folks want them to, and see that the grandsons and grandfathers get to be the "cronies" they will enjoy being.

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# Farm and Ranch Housewife

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

*I know some things... and you know others,  
Why not just share things, like sisters and brothers.*

IT surprises and rather amuses me that an increasing number of men are sending in questions to this department. Formerly I had considered it a strictly feminine corner. But we don't mind telling the men a thing or two... if they ask for help... do we now?

Q.: Where can I get a copy of the 'Ball Blue Book'?—Mrs. S. S., Hines Creek, Alta.

A.: This is a new one on me... sorry I never heard of it... have any of the rest of you readers? Have you asked your grocer about it?

Q.: Can you supply a recipe for making glue that will stick strips of cellophane together? Mr. J.D., Kexmess, B.C.

A.: This recipe might serve this purpose. I know it will stick cloth or paper to glass or metal.

Home Made Glue — Combine 1 tblsp. plain gelatine to 2 tblsp. boiling water. Boil for a few seconds then while still hot add a tsp. sugar.

Q.: How do you remove white spot from walnut veneer table top? Stain was caused by heat. Mrs. H.D., Marcelin, Sask.

A.: For heat stains on veneer

we are advised to apply spirits of nitre. Rub in well preferably with a piece of chamois. You may have to repeat this depending on how deep the stain has penetrated. Also remember if the finish has been destroyed, then the furniture will have to be sanded.

Q.: Can hamburgers be canned and if so please supply the recipe. Mrs. N.M., Sangude, Alta.

A.: Almost every kind of food can be canned! And many of them in the home kitchen too.

Canned Hamburgers — 3 lbs. ground beef,  $\frac{3}{4}$  lb. ground pork, 2 tsp. salt, 3 tblsp. onion chopped fine,  $\frac{1}{2}$  tsp. mustard (or sage or whatever spice you like),  $\frac{1}{2}$  tsp. pepper, 1 tblsp. melted fat, 3 beaten eggs, 1 cup water (some like milk instead). Combine all ingredients and work well. Form into cakes and fry very slightly in melted fat or pack as they are into hot sterilized jars. Fill each jar  $\frac{2}{3}$  full with either boiling hot tomato juice or hot stock from boiled meat. Screw tops tight and process 75 minutes in pressure cooker with 10-lb. pressure or  $3\frac{1}{2}$  hrs. in water bath.

Q.: Is home canned pork sausage fit to eat if the jars did not 'jell'? I followed directions exactly and some jelled and

some did not? — Mrs. W. H., Ceylon, Sask.

A.: I used to lose sleep over this too when canning large lots of meat, but I found out that it was only lack of sufficient gelatine in the meat that prevented them from jelling. The bones contain the largest proportion of this, so after I inserted a few inches of bone in each jar that brought about the desirable "jelling".

Q.: I am looking for a recipe for 'prepared mustard' that one can use on cold meats, etc. Any I have tried tasted like salad dressing rather than like that you can buy. Mrs. W.A., Birch Hills, Sask.

A.: This is the very best recipe I have found.

Prepared Mustard — Mrs. M. C., Kennely, Sask., 3 tblsp. dry mustard, 1 cup cream,  $\frac{1}{2}$  cup vinegar,  $\frac{1}{2}$  tsp. salt,  $\frac{1}{4}$  tsp. pepper, 1 egg, 1 tblsp. sugar.

Put cream and sugar on to boil. Mix all other ingredients together and stir into boiling cream. Boil (still stirring) until like thick rich cream. Put into sterile jar. Will keep a long time.

Q.: I am a diabetic and I have seen tasty jams made without sugar (glycerine sweetened) but they were very expensive and I would like to get some recipes for jams that I could prepare at home. Can you or any of your readers help me? Mrs. M.O., Star City, Sask.

A.: I have mailed to Mrs. O.

a cook book I own entitled "Pleasant Foods for Diabetics". There was only one recipe in it named 'Marrow Jam'. I would surely appreciate it if readers who have the same problem as Mrs. O. would write in furnishing us with any other jam recipes.

Note: — All readers are invited to send in their home-making problems to Aunt Sal in care of Farm and Ranch Review, Calgary, Alberta. Enclose a stamped self-addressed envelope if you wish a private reply.

## Horse laid up?



"HERE'S WHAT I DO"

says Norwood Andrews, of Moorestown, N. J.

"Whenever my horses show signs of lameness, I use Absorbine for relief. I'm sure it has saved me many working hours in the past ten years."

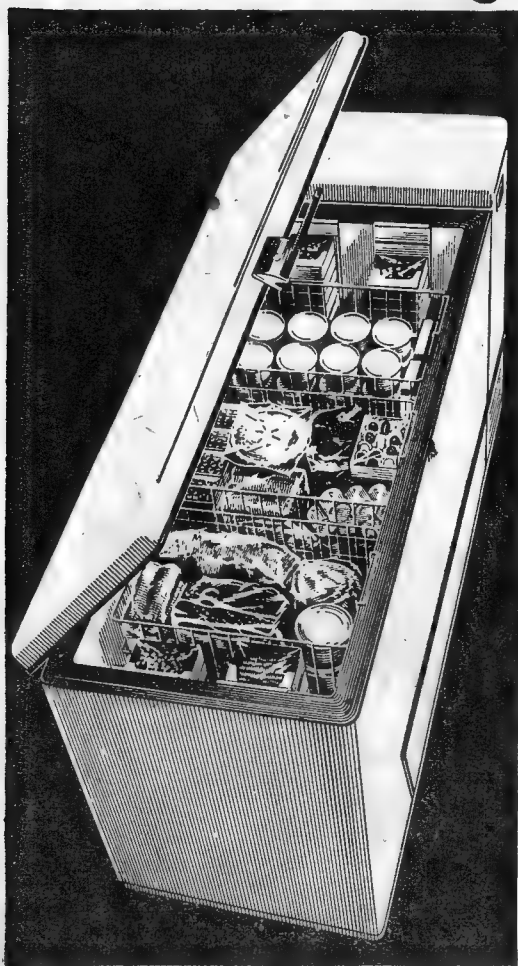
There's nothing like Absorbine for lameness due to strains, puffs, bruises. Absorbine is not a "cure-all" but a time-proved help in relieving fresh bog spavin, windgall and similar congestive troubles.

A stand-by for over 50 years, Absorbine is used by many veterinarians. Will not blister or remove hair. Only \$2.50 at all druggists.

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No matter how you buy your home freezer... through your local appliance dealer or a frozen food plan... insist on an International Harvester, the world's leading freezer. You'll find an unmatched combination of values in the four great 1953 models... 7 cu. ft., 11.1 cu. ft., 16 cu. ft. and the revolutionary Model L-20 Space-Saver... a 20 cu. ft. freezer in the space of a 16!

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DEPT. J, INTERNATIONAL HARVESTER COMPANY OF CANADA, LIMITED, HAMILTON, ONTARIO.

**W**E just couldn't manage without eggs; at least it would be quite a task to do so. Yet we sometimes forget that they are not only unusually healthful, but can be prepared in almost hundreds of ways that will make them far more exciting than just "plain" boiled, or poached, or fried.

For example, if your family likes poached eggs especially well, vary them a bit by poaching them carefully as usual, then slipping them onto halved round "hamburger rolls" that have been lightly toasted, and flanking two such egg-topped-halves by strips of crisp bacon. You'll be surprised how attractive they will look and how much better they will taste, for a change. Yet it takes no longer.

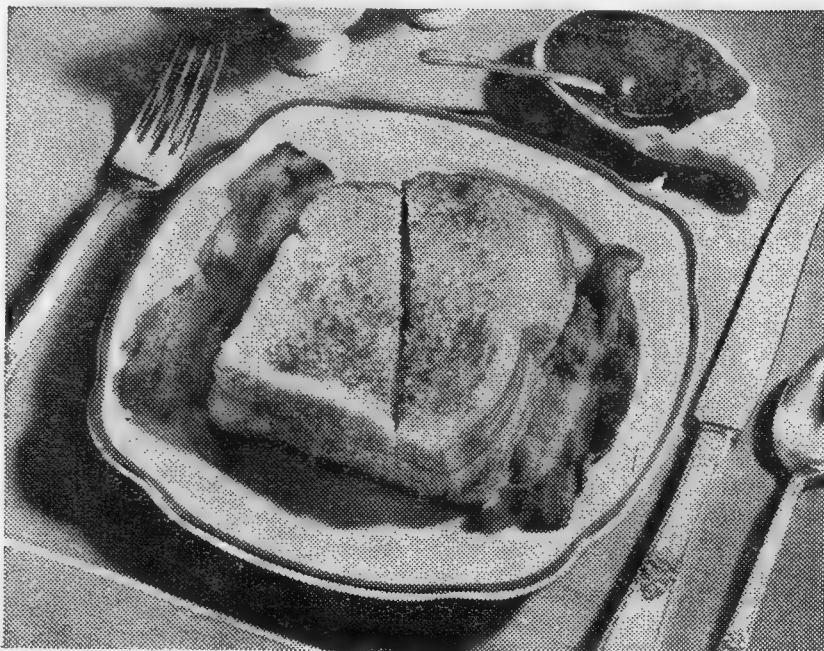
Then try Toasted Egg Fluff some morning, as a surprise. Or serve it for supper, with a green vegetable, cold sliced roast and a simple homemade cake. Here's how to make it, and it's something the youngsters will enjoy fixing, too. It is also a fine way to prepare eggs for an ailing family-member.

#### Toasted Egg Fluff

- 4 eggs, separated
- ½ tsp. salt
- 4 buttered rolls, or rounds of toast, or rusks

## What about eggs? Try these recipes

By LOUISE PRICE BELL



Whip egg-whites and salt until stiff enough to hold a peak, then pile them on rolls or toast, making a depression in center of each pile. Place one egg-yolk in each depression, put on baking sheet and bake for 15 minutes in a 350° oven, when whites

should be golden brown and yolks cooked.

#### French Toast

- 2 eggs, beaten slightly
- 2/3 cup milk
- ¼ tsp. salt
- 8 slices bread
- ¼ cup butter

Combine eggs, milk and salt in a bowl. Melt butter in skillet. Dip bread slices in egg mixture, turning them to brown on both sides. Serve with syrup, jelly, or preserves and strips of crisp bacon.

#### Mimosa Eggs

- 6 eggs—hard-cooked
- 2 cups, drained cooked, canned, or frozen spinach
- 3 tbsps. butter
- 2 tbsps. flour
- 2 cups hot milk
- ½ cup shredded cheese
- Salt and pepper
- 2 tbsps. butter

Make cheese sauce by melting butter, adding flour, then milk and stirring until thick, then adding cheese and seasoning. Cut eggs in half, remove yolk and slice whites thin and add to cheese sauce. Add 2 tbsps. butter to spinach and arrange in buttered dish, or individual dishes, pour cheese-egg sauce over. Press yolks through sieve and make mound on each serving. Set under broiler for few minutes, then serve with corn muffins and relishes.

—O—

Here's a new twist in mashed potatoes. Add sour cream along with the regular seasonings, then whip vigorously. They're delicious.

# BUCK UP with NABOB!



## The Dishpan Philosopher

I HAVE been pondering today some things my mother used to say. As one grows older one grows wise to all the sense that underlies the good old proverbs which contrive through time and changes to survive. "When one door shuts", my mother preached, "another opens". And I've reached the time when I can see the truth of this although, of course, in youth it made me really hopping mad to give up any plan I had because I couldn't work it out. I used to squirm with fear and doubt that any success could atone for plans by failure overthrown.

Old age is nice, the battle done, with so much lost and so much won, and only memory remains of youth's great pleasures and great pains. In retrospect the mind explores life's series of mysterious doors.

## Praise that first pie!

By LOUISE PRICE BELL

WHEN the young lady of the family makes her first pie, it should be a Big Day in the home. It may not be quite as good as "Mom" can make, but unless it is very bad, be sure to praise it so as to encourage her in the art of pie-baking. Our children of today are our men and women of tomorrow and our girls are our future homemakers. So at every turn, when they show an interest in cooking, cleaning, gardening or

other home tasks, be sure to do your best to encourage them in their projects!

In most of our homes, the young people need to help because there is so very much to be done. But parents can build up a happy attitude about all these many duties, or a negative one. It's up to them which they stimulate and the results show which has been existant in each home.



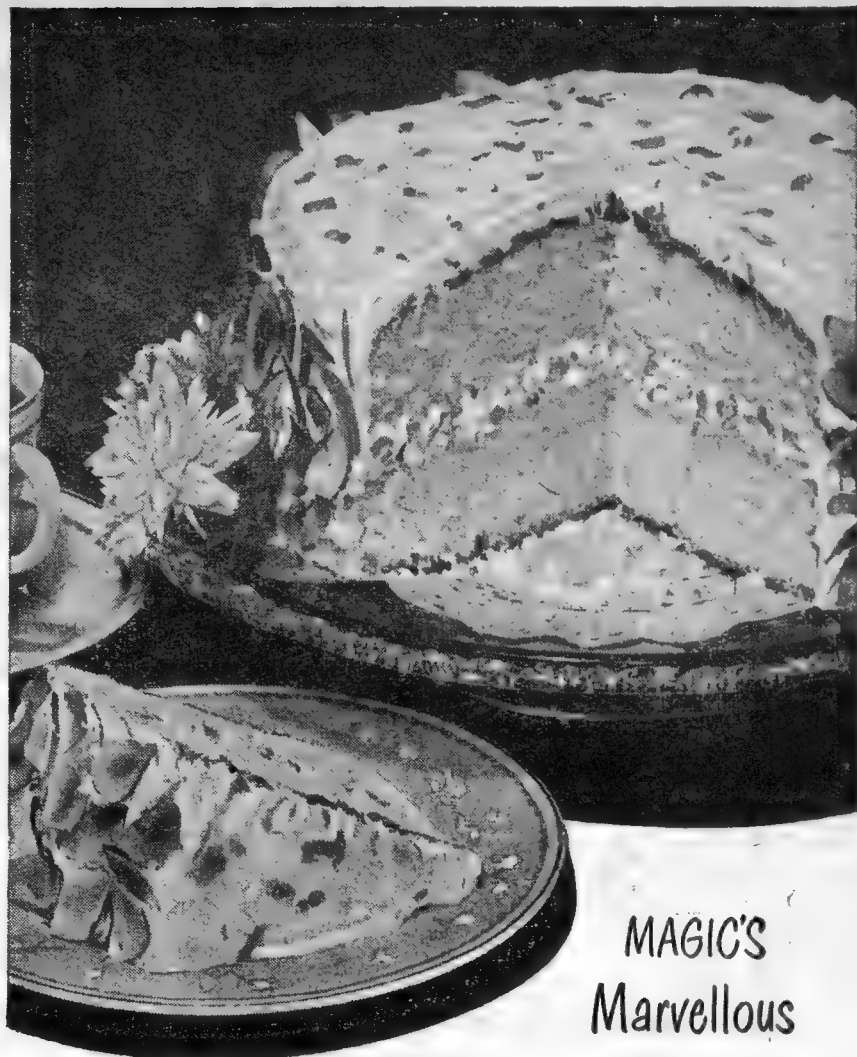
## For easier ironing

DO you want to save up to 174 hours a year? One year's washing for the average family of four counts up to 4,700 pieces a year—a mountain of unironed garments! Miss Caroline Judson, Extension Home Designer, Alberta Department of Agriculture, says that you can save many hours every year if you iron the right way.

First, adjust your iron board

so that you may sit down to work. Second, invest in a light weight iron. Remember, it is heat not weight that irons your clothes. A good light above the ironing board will make work easier — you will be able to see what you are doing.

Don't crowd clothes in your basket, advises Miss Judson. Fold them, don't roll them up—it makes more wrinkles. A table handy to basket where you can place ironed flat pieces, and hangers handy for garments which should be hung up will save time.



## Pineapple Cake

*So luscious...so tempting...  
and—you made it all yourself!*

Yes, in all your baking you can depend on Magic Baking Powder for praise-winning results. Magic is inexpensive, too—protects your investment and results at less than 1¢ per average baking! Check your supply of Magic before you shop this week.



### MAGIC PINEAPPLE CAKE

- |  |                                   |
|--|-----------------------------------|
| 8 lbsps. quick-mix shortening<br>(at room temperature)                         | ½ tsp. salt                       |
| 2 cups once-sifted pastry flour<br>or 1½ cups once-sifted<br>all-purpose flour | 1¼ cups fine granulated sugar     |
| 3½ tps. Magic Baking Powder  | ¼ cup syrup from canned pineapple |
|  | ½ cup milk                        |
|  | 1 tsp. vanilla                    |
|  | 2 eggs                            |

Grease two 8-inch round layer-cake pans and line bottoms with greased paper. Preheat oven to 375° (moderately hot). Measure shortening into mixing bowl. Sift flour, Magic Baking Powder, salt and sugar together once, then sift over the shortening in the mixing bowl. Add the syrup from canned pineapple, milk and vanilla. Beat with a mixing spoon for 300 strokes. Add the unbeaten eggs and beat another 300 strokes. Turn into prepared pans. Bake in preheated oven about 25 minutes.

### VIENNESE PINEAPPLE FILLING AND FROSTING:

Turn into upper pan of double boiler 2 egg whites, 1 cup granulated sugar and 3 tbsps. syrup from canned pineapple; stir until sugar is partly dissolved. Place over boiling water and cook, beating constantly with rotary beater, until frosting will stand in peaks — about 7 minutes. Remove from heat and beat in ½ tsp. vanilla. Cover pan with a wet cloth and cool mixture completely. Cream ¼ cup butter or margarine until very soft; add the cooled icing, a little at a time, beating with mixing spoon after each addition until frosting is blended and creamy. Take out about ¼ cup frosting and fold in 2 tbsps. well-drained finely-cut canned pineapple and ¼ cup toasted chopped Brazil nuts; put cold cakes together with this mixture. Fold ¼ cup well-drained finely-cut canned pineapple into remaining frosting and use to cover top and sides of cake. Decorate sides of cake with toasted thinly-shaved Brazil nuts or sprinkle liberally with shredded coconut.

And now we greet each other,  
In the merry month of May;  
And I hope you find it 'merry',  
As we send out hints your way.

I ALWAYS like it when you mention in your letters to me that you are a member of the Women's Institute or a similar organization. I have been a member for a number of years myself and have a very warm spot in my heart for all its members. I was asked to speak to them when they met in conference in Lethbridge, Alberta last month and even after I had accepted their invitation I had no idea what I was going to say that would be helpful or new.

Some of them had heard me speak to their group five times

## Aunt Sal Suggests . . .

before . . . so I didn't want to repeat myself. Finally I hit on the idea of speaking to them in my writing capacity as 'Aunt Sal' and tell them where they could get better help than what they get from me. (Sounds as if I was trying to do myself out of a job, eh?)

I chose as my subject "Where Can I Get Help?" And that is a question that pesters us all pretty frequently we have to admit. I hope no one among you gets the idea that I have all the information that you seek stored up inside of my head.

I'd really be a monstrosity to have that sort of head!

I search through books, bulletins, magazines, reference encyclopedias and contact people. Clever people who have specialized along some certain line of study. I write letters galore to manufacturing firms, organizations, government officials and so on and so on. I'll take you readers into my confidence and admit that in the four years that I've been trying to the best of my ability to help you readers through this question and answer service there has been a steady increase in the number of letters you've tossed my way.

Since my co-writer Mr. Kerry Wood told you some facts about me in the December issue of this magazine . . . the letters have come in bigger and bigger doses. Instead of being discouraged by hearing that I was just an ordinary woman doing an ordinary job you showed me by the tone of your letters that my stock had risen higher and you wanted to prove your confidence in me by writing more letters than ever!

I'm not conceited enough to think that all of you write me because you think that I'm smarter than other people or can supply more clever solutions to you problems than anyone else. To come to the point, I think that many of you write me because it is the way of least resistance! 'Fess up now isn't that true? I know that the Farm & Ranch Review goes into most rural homes in the west and you have over the years become used to seeing my name at the top of this page . . . and so when a problem arises

you say "I'll write Aunt Sal about it." I tried to thrust home the fact in my talk at the Women's Institute conference that there are other places one can write for help . . . and get it too and it costs you nothing or very little. For instance why don't you write to your provincial or federal (or both) Home Economics Extension Service. They come under the Dept. of Agriculture. First write them and ask for their list of bulletins and leaflets. Then when you've received the list you can soon decide what ones you want. My lands, there is information on every activity under the sun from how to bathe the baby to how to fry the fish! And all the information is compiled by experts too.

A host of you have written me recently asking where you can either buy or sell various types of handicraft. I have been able to give you some definite help along this line . . . but you've got beyond me. Although of late I've been banging off twenty letters per day, I can't keep up with you. So pause and reflect a bit before you're tempted to write me. Contact your nearest city and either write the Secretary of Chamber of Commerce asking about the Handicraft Guild in that city or write the Secretary of the Guild there. Enclose your self-addressed stamped letter (just like when you're writing me) and I'm betting you can get more satisfactory assistance than you do from me.

Don't be timid when shopping in large stores . . . speak up and ask them if they put out free pamphlets on various phases of their products. They'll be flattered, rather than annoyed, if you ask them for help. Try it and see.

By all means don't stop writing me pals . . . but write other places too once in a while. See what I mean. Bye bye for now . . . and every good wish.

Aunt Sal.



**Quick Energy BUTTERSCOTCH ROLLS**

2 cups ready-prepared biscuit mix;  
1/4 tablespoons butter or margarine; 1/4 cup brown sugar; 1/2 cup ROGERS' GOLDEN SYRUP; 2 tablespoons cold water;  
1/4 cup walnut halves.

Grease 12 medium-sized muffin tins. Melt butter, sugar and syrup, and place 2 teaspoons of this mixture, plus 1/4 teaspoon cold water in each muffin tin. Arrange 3 or 4 nut meats on top of syrup. Prepare roll mix as instructed on package, and roll to rectangle 9 x 12 inches. Brush lightly with melted butter and spread with remaining syrup. Roll dough up lengthwise, like jelly roll. Slice into 12 1-inch pieces. Place slices, cut side down, in muffin tins. Bake at 425°F for 12-15 minutes.

For Free Recipe Book, Write—  
The B.C. Sugar Refining Co. Ltd., P.O. Box 969, Vancouver, B.C.

### DID YOU KNOW ?

A large-headed tack or small screw hook, partly driven into the wooden shoulder of your paint brush will let you hang the brush on the side of the can instead of resting it on its bristles. If you've ever left a paint brush standing on its tip over night, you know how bent and awkward it will be next morning.

A lampshade, just the right color, will complement your spring decorating scheme. Coat the inside of any heavy paper or cardboard shade with aluminum paint. Then paint the outside any color you like. The aluminum paint will reflect the light inside the shade and will prevent light shining through the brush marks on the outside.

An old doll carriage can be remodelled at small cost to delight a little girl. Strip the old fabric from the carriage frame. Then use it as a pattern to cut a new cover from the colorful plastic coated fabric sold by the yard in department and handicraft supply stores. Any fabric will do to line the doll buggy but a light plastic lining would be washable.

### Here's how to mix

real **HOT** ENGLISH MUSTARD

TAKE  
1/4 cup Keen's Dry Mustard  
2 tablespoons water

Mix gradually with cold water to consistency of thick cream, stirring well to break up all lumps. Let stand 10 minutes to develop full flavour. Never add fresh mustard to old. Mix more as needed.

Keen's Dry Mustard is just what you're looking for to give that much-needed flavour fillip to to-day's economy dishes.

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## Country Diary

THE flower season opened last month with a crocus. Nature still prepares earth's green covering from sunlight and rain and melting snow and mineral content, as she has done for centuries of time untold, making it as ever, the colour of all vegetarian food, human and animal, the tranquility of which rests the eye and refreshes the spirit. Then one morning delicate mauve and white petals suddenly appear on the fresh, young grass, and we behold a new wonder, a new delight. Then so quickly do they come and in such numbers that the grass and roadsides are sprinkled with the lovely mauve and silver petalled crocus. "The Coming of the Petals" could be the title of a ballet.

Shakespeare's words, spoken by Autolycus in "The Winter's Tale" come to mind: "When daffodils begin to peer, why then comes in the sweet o'the year", only the liberty is taken of transposing our own flowers for those that herald early spring in England. And though somewhat later than Shakespeare's spring in Stratford woods, we can rejoice in our own "sweet o' the year" brought to us by our own lovely prairie flowers.

Very deserving of praise is the ubiquitous yellow pea-like blossom the children call "buffalo bean" — I don't know why — but known to the botanist as "Thesmopsis Rhombifolia". I often wonder why the loveliest flowers and weeds are scientifically known by the highest sounding names. This buccaneering blossom is determined to climb over clay mounds and rubbish heaps, unconsciously camouflaging their ugliness and performing a mission of beauty, and on that account alone is worthy of a place in our flowers of May. Its bright gold enhances many a teachers' desk and adorns the living-room of many a home. Gay yellow is one of Spring's pet colours, and we who have suffered the death of winter welcome the free wildings which come before the elite in the garden beds, and which delight the winter-jaded eye.

The robins are back from wherever they spent their winter vacation, looking very alert and neat and now are picking out likely-looking home sites, with one eye open for a mate and being very quiet about it. In contrast to the sparrow who is a great advertiser in the bird world and who announces his business to one and all, the early robin is shy and secretive over family affairs. He is adaptable and ready to make use of any receptacle that promises good housing for Mrs. R. and future robinettes. I have found a nest in the twine-box of the binder and in the pocket of a scarecrow's coat.

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**4-way**  
vitamin enriched  
**FLOUR**



Whether you want to bake fine pastry ... fluffy cakes ... fresh white bread ... fancy sweet rolls ... or all four ... here is the one *right* flour to use.

No longer is there any need to keep two or three kinds of flour on hand. New Ogilvie 4-WAY Vitamin Enriched Flour is perfectly milled and scientifically blended to assure

you of complete success with *all* your baking, every time!

And this amazing modern flour also means low-cost protection for your family's health. It's enriched four ways — with iron and with three important B vitamins — thiamine, niacin and riboflavin.

\* CONTAINS 0.44 milligram of thiamine, 0.26 milligram of riboflavin, 3.5 milligrams of niacin and 2.9 milligrams of iron per 100 grams.

**FREE—Write for Louise Ogilvie's Master Baking Recipes** — for bread, cakes, pastry and sweet rolls. Developed by Ogilvie research experts and thoroughly tested by Louise Ogilvie, head of the Ogilvie Home Service Department, four Master Baking Recipes are shown—with several delightful variations for each — 22 recipes in all! Address: The Ogilvie Flour Mills Co., Limited, Department E, Montreal, Que.



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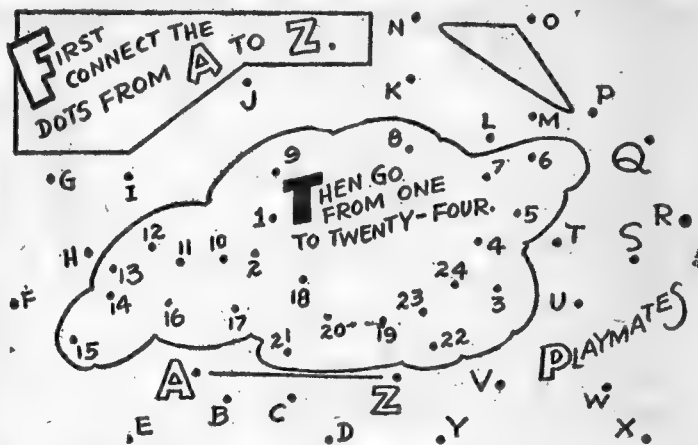
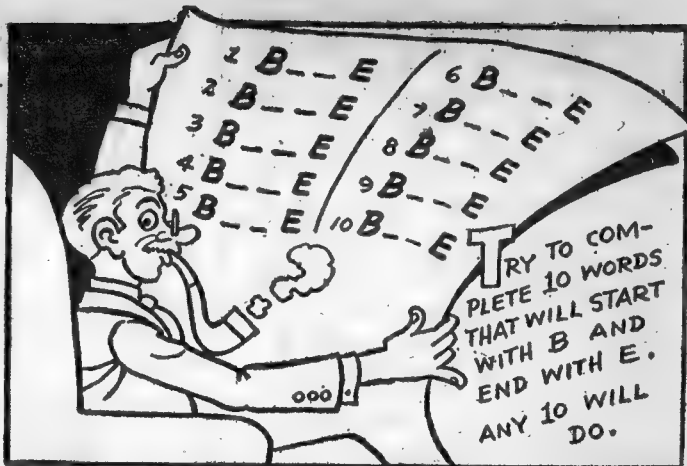
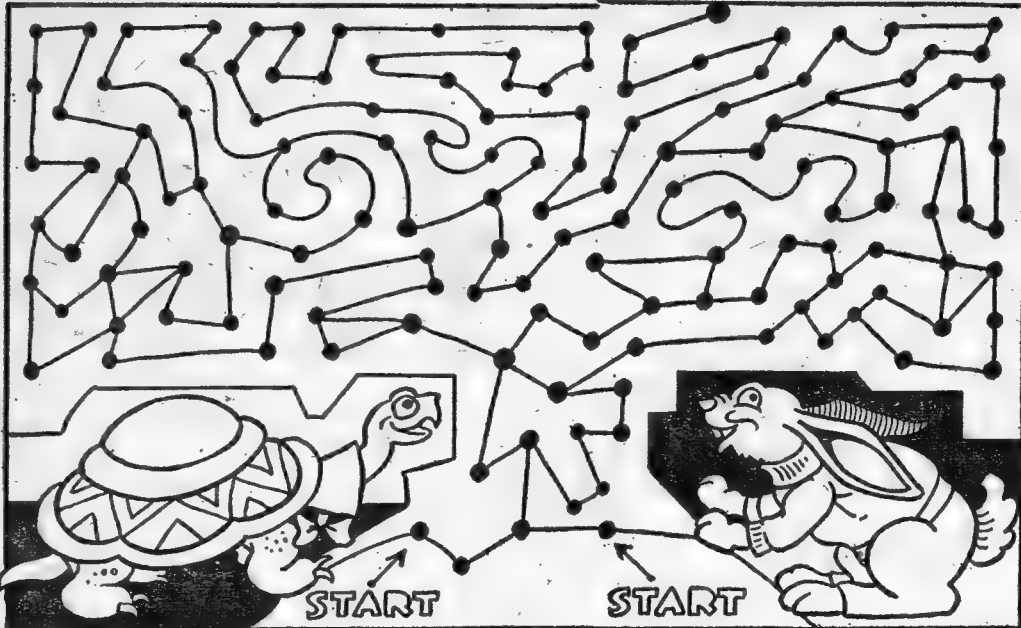
*It's Sifted through Silk!*

# BUNLAND

BY A.W. NUGENT  
THE WORLD'S LEADING PUZZLEMAKER

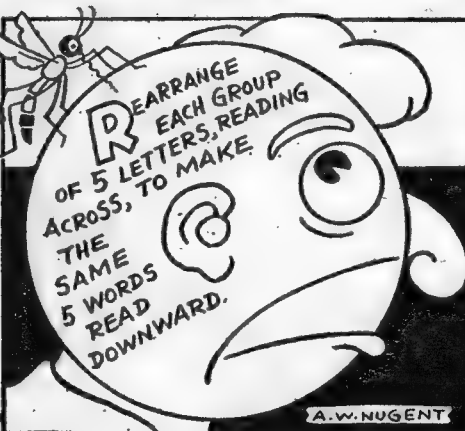
## THE FAMILY ENTERTAINER

**YOU CAN RERUN THE FAMOUS HARE & TORTOISE RACE.**  
TWO PERSONS CAN PLAY - ONE REPRESENTING THE HARE AND THE OTHER THE TORTOISE.... TRACE ALONG ON THE LINES AND COUNT EACH DOT YOU PASS AS ONE STEP.  
THE ONE WHO TAKES THE FEWEST NUMBER OF STEPS, TO THE FINISH LINE, WINS.



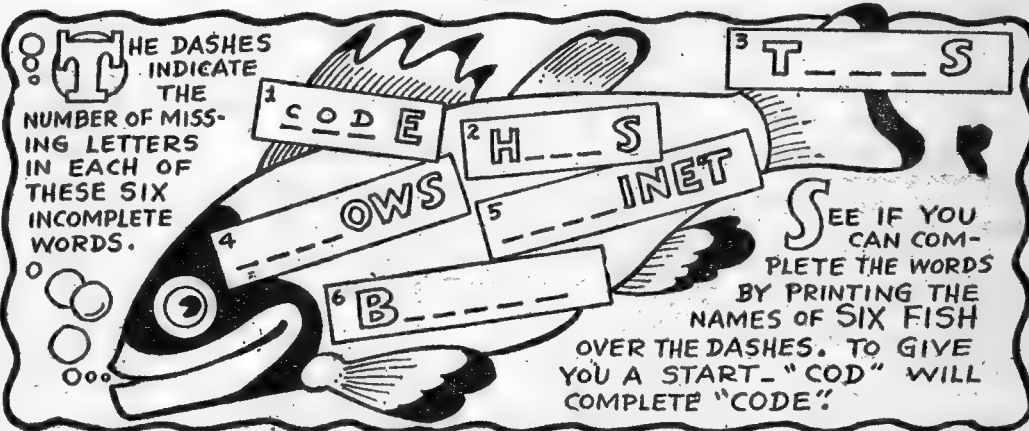
USE UP ALL THE EIGHT LETTERS BELOW TO FORM TWO FOUR-LETTER WORDS THAT WILL ALSO SPELL TWO OTHER WORDS READING BACKWARD.

**G LOT FOOL**



S	F	H	A	L
E	N	L	C	A
N	E	L	G	A
E	E	N	S	C
N	L	H	E	E

FLASH, LANCE, ANGEL, SCENE AND HELEN.



SOLUTION: 2, HELLS; 3, TRAYS; 4, SHADOWS; 5, BASSINET; 6, BROACH.

1 2 3 4 5 6 7 8 9  
A V U K E T L R S

7 4 5 3 6 3  
9 7 3 8 9 5  
6 5 7 1 2 7

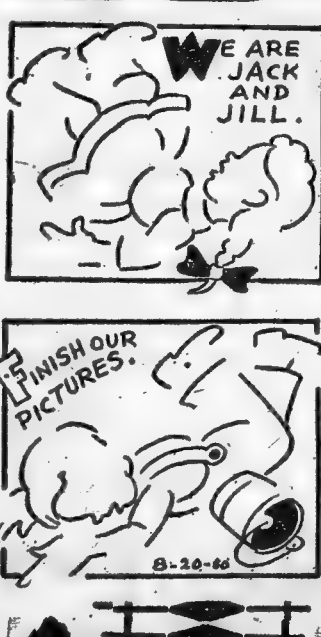
ANSWER SPACE.

TRANSLATED BIRD'S SPACE.

START THIS EASY PUZZLE BY DOING THIS SIMPLE ADDITION PROBLEM. THEN SUBSTITUTE FOR ALL THE NUMBERS IN THE ANSWER THE CORRESPONDING KEY LETTERS SHOWN AT THE TOP.

THE CORRECT RESULT, TRANSLATED, WILL SPELL A BIRD THE COWBOY IS HUNTING.

A.W. NUGENT



**SOLUTIONS:**

HERE ARE TEN WORDS THAT START WITH B AND END WITH E: BAKE, BARE, BASE, BADE, BARE, BADE, BAKE, BARE, BADE, BARE.

THE ANSWER TO THE ADDITION PUZZLE: 2376385

BIRD - VULTURE.

THE ANSWER TO THE ADDITION PUZZLE: 2376385

THE ANSWER TO THE ADDITION PUZZLE: 2376385

**KIDIE CORNER** FILL IN THE 4 MISSING WORDS TO COMPLETE THE SUGGESTED RHYMES.

BAA, BAA, \_ SHEEP PETER, PETER \_ EATER

LITTLE MISS \_ JACK BE \_

ANSWERS: 1. BLACK; 2. PUMPKIN; 3. MUFFET; 4. NIMBLE.

## Saskatchewan has doubled its forage production

THE Saskatchewan Agriculture Department's forage crop program has been the major factor in more than doubling the acreage of forage crops in the province.

In 1939, 286,000 acres were seeded to forage crops while in 1952 the total was 622,000 acres. The number of cattle in the province remained about the same, at approximately 1,200,000 head, but since it takes about one ton of hay per head of cattle to carry over the winter, the dependence on poor quality feed and native grasses is still very evident.

The Director of Agriculture Department's plant industry branch, R. E. McKenzie, pointed out that early settlers had good yields from fertile soil and maintained one head of cattle for every 10 acres of cultivated land. Now, he said, we have produced the world's record wheat crop, but raise only one head of cattle for every 30 acres of cultivated land.

Mr. McKenzie said the risk of varying grain markets and prices, and perilously insufficient feed reserves, was emphasized in the 1930's when both markets and prices dropped and livestock had to be sold at low prices for lack of feed. In the seven-year period up to 1938, 35-million dollars worth of feed had to be imported from as far away as Quebec, and in one year alone, 615,000 head of cattle were sold out of Saskatchewan as canners and cutters. Still another fact in the problem of a grain economy is the loss to date of one-third of the organic matter in the soil, and the resulting drifting, rapid baking after rains, and erosion from water run-off.

### Great Change

The plant industry branch director stated that older agricultural countries had been forced to return to grass to develop a lasting agricultural economy, and added that a similar field crop revolution is inevitable in Western Canada. The change can be carried out, he

said, without seriously reducing over-all production, since higher soil fertility following legume crops would boost yields, there would be less fluctuation of yield, and a greater livestock population would add a large measure of stability.

That farmers are gradually realizing the situation is shown in the reception given the forage crop program, instituted following a meeting in Saskatoon in 1946 of agricultural agencies.

The Department purchases seed in carload lots to make up mixtures for hay and pasture in various regions, and absorbs the costs of rebagging, inoculum for alfalfa, and shipping charges. In the first year of operation, 1947, the filling of 745 orders on a cost basis totalled over 150,000 pounds of seed, or sufficient for the seeding of 140,000 acres. In 1948, 2,416 orders totalling 322,000 pounds would seed 36,000 acres. After a drop in the next two years, the number of orders jumped to 2,746 in 1951, and in the past year 3,817 orders were filled for nearly half a million pounds of seed, or sufficient to seed 54,500 acres.

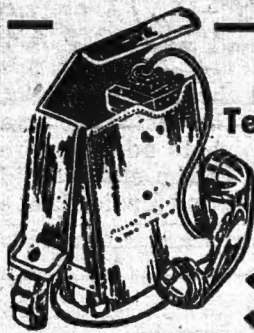
Although in six years the Department has shipped nearly two million pounds of seed to cover more than 200,000 acres, Mr. McKenzie said it is far from enough. As a five-year goal he said the Department wanted 10,000 orders each year for the seeding of 150,000 acres annually. The ultimate minimum objective is the seeding of 2-million acres annually to forage crops, with such crops reseeded every six years and becoming a normal part of the crop rotation.

As an example of what remains to be done, the Director cited a municipality midway between Regina and Canora, in which 600 farmers had a total of 11,000 head of cattle. A survey in 1952 revealed that only 27 loads of feed remained for spring use. Had the winter been more severe, or if the following crop had been poor or unharvested due to adverse weather, the stockmen would have been forced to turn to expensive importation of feed.

## Solution to last month's puzzle

REPER	ROSS	BERE	SCOUR
MANERO	ERIC	ELAN	AORTAS
ATNAP	GARROT	TING	BOTPE
RIG	SEPAL	EFT	TENON
IONA	DOR	HA	OINET
ENURE	IDIOMS	CODE	TEASE
GRA	EL	ETA	GE
GROUND	ED	ADORE	RETREATS
ROSE	DO	AS	ONTO
ATT	IS	DISCLAIMS	IO
MERIT	ARDOR	SO	MONSOONS
ID	STEER	LOESS	PI
RECEIPTS	TA	COMET	DENTS
ASH	I	SPILLAGES	GI
NEEK	RU	ANTE	UN
ARSONIST	GEARE	TREPIDLY	
EAT	RI	APER	SIN
SMELT	PART	SPRAIN	NETOP
PATS	CON	MC	EH
ARE	TRESS	AMA	LEVER
TI	LAE	OPERATION	PIA
SNEERS	MAST	EMIT	ALLEGE
ETONS	SNEE	DINS	LEASE

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Field  
Telephone  
Systems

sets  
of two

**35.00**

Gives clear transmission over 17 miles with two wires. 10 miles with single wire. Any connected wire, even barbed wire will serve. Hundreds of uses. Strongly and expertly built. Send cash with order, or minimum of \$3.00 and we will ship C.O.D. for balance.



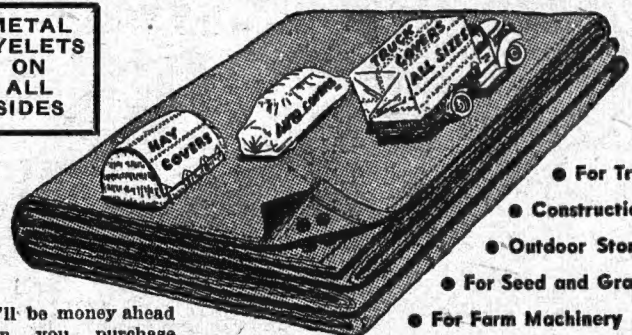
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RIFLES**

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HEAVY  
WATERPROOF

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EYELETS  
ON  
ALL  
SIDES



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• Construction Work

• Outdoor Storage

• For Seed and Grain

• For Farm Machinery

You'll be money ahead when you purchase one of these heavy waterproof Duck Tarpaulins . . . Absolutely lowest prices in Alberta.

5 x 7	\$ 5.95	12 x 16	\$35.50
7 x 9	11.95	12 x 18	42.50
8 x 10	14.95	14 x 18	49.50
10 x 12	21.50	14 x 20	55.60
10 x 14	25.50	16 x 20	59.50
12 x 14	29.50	20 x 20	79.50

## Paint!

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Outside White, Per gal. **\$3.99**  
Barn Red (5-gal. can) per gal. **\$3.45**

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Dept. F & R

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The other day my brother came down for grain. He came in to have a little chat with me. We sat talking for half an hour when he stopped and looked at his jacket sleeve. Here it was moving as if something was in there. He decided it could be a mouse. So with some excitement he jumped up and I was to help get it out without letting it loose in the house. I grabbed it and held while he was taking off his jacket so it wouldn't



bite me and throw it out. But it wasn't in the jacket, it was inside his shirt, to add to more excitement. In the end we did get the mouse and I said I have

heard of things like this but it was the first time for me to see it.  
Annie Jensen.  
Hardy, Sask.

One day our cat came to the house and started to pace up and down the kitchen. Every time I would stop my work and look at her she would stop meowing and start out the door but as soon as I went back to my work she would come back in and start making a racket. Finally I followed her outside, as soon as she saw that I was going to go with her she headed off across the field just as pleased as could be. I followed her for about a quarter of a mile when she stopped and crawled under a brush pile. I thought this was rather strange so I got down on my knees and looked under where she had crawled to, and there she was with two very cute little white kittens. I think she was trying to tell me about them when she was making all that fuss in the kitchen.

Shirley Freear.  
Mayerthorpe, Alberta.

One day as I was walking up in the hen barn to collect eggs, I saw the hens all together in a corner. I looked around but I couldn't find anything so I went home. After a while I went up again to give them some water they looked more frightened than ever. So I looked around again and to my surprise there was a hole in the floor, I looked under the hole. I thought I saw something black so I went home and called some kids. We took a big stick and pulled it out, and what do you think, there was a badger. We killed the badger. Then we looked under the hole again. He had twenty hens all dead.

Anne J. Decker.  
New Dale, Queenstown.

After my dad comes in from milking, and has separated, our cat gets some milk. After the cat had drank her milk and had gone and laid down for quite a while she gets up and plays. The cat was hungry and could not reach the milk in the pail. She puts her paws up on the edge and then puts one of her paws down into the milk. Then she brings her paw up and licks it off. She did that till we saw her and then we gave her some milk and she drank it.

Nan Munro.  
R.R.3, Minnedosa, Man.

I was riding the wild horse Slim, from school one day. I was carrying Sparky, our dog, so he wouldn't have to run along in the deep snow. When I came to Grandpa's house I stopped Slim and got off, but Sparky wouldn't jump in the deep snow. I went over to Grandpa's house. At the door I turned around and there was Slim trotting for the barn with Sparky bouncing along on his back, apparently enjoying this unexpected ride.

Olga Halko.  
Ranger, Sask.

One day last fall while at my Grandfather's when I came from getting the cows I saw



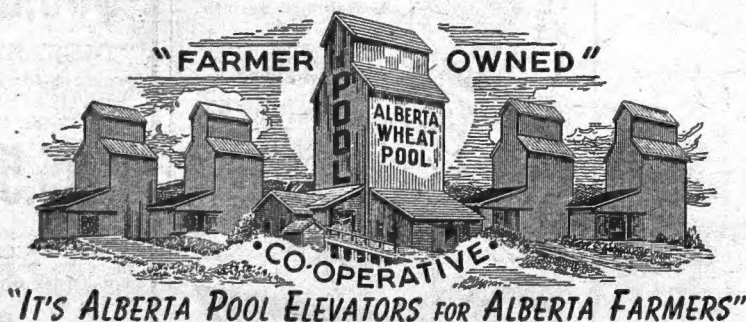
## The Voice of Experience

It will be just 30 years ago this autumn that we farmers joined together to organize the Alberta Wheat Pool and I've been doing a little thinking as to why I've always delivered my grain to the Pool.

One important reason is that Pool Elevators have always given me the very best service and I know that I get a fair break with my weights, grades and dockage. There is no reason for the Pool agents to treat us otherwise since the organization is owned by us farmers. Its sole reason for existence is to give good service, not to make big profits.

When we built the Pool we put up about \$8½ million of our hard earned and mighty scarce money to get things going. Ever since I've felt I had a personal responsibility to see that Pool elevators are well patronized. But more than that I've always been really proud of the Pool. Just think, we farmers own and control a highly successful and respected organization doing many millions of dollars of business each year.

I could go on like this for a long time yet but surely every forward-looking farmer must already realize that the Pool deserves wider support. I hope that whenever you are able, you deliver your grain to Alberta Pool Elevators.



two crows eating a dead chicken. While eating this chicken a hawk swooped down and scared the crows up. Then the hawk settled down on the chicken, while the crows were circling over him. One crow came close and the hawk dived at him and started a little fight in the air. While the hawk and the crow were fighting, the other crow flew and settled and started eating. When the hawk saw this he swooped down on the crow on the chicken and drove him off. Then the other crow who was fighting with the hawk in the beginning sat down and began his feast. This kept on until the hawk gave up.

Donnie Senchuck.

East Baintree, Man.

One day in the spring two years ago we saw a deer come up through our pasture. My brother went outside to see it and it came right up into the yard then stopped and looked at my brother. So he started to walk towards it and then the deer ran right up to him. It was a tame deer, and it stayed all day, then at night it left.

Aleck Hartt.

Fairy Glen, Sask.

My dad made my brother and I a teeter-totter. One evening I saw one of our Plymouth Rock Pullets walking back and forth on the teeter-totter making it balance.

It must have seen my brother or I balancing it.

Rodney Goodwin.

Trossacho, Sask.

One day as we were not going to school our dog barked to let us know, because he knew it was time for the bus. Seeing that we were still not coming out he ran to the door, pushed it open and kept barking to let us know it was time. After some more barking he stopped because I think he knew we were not coming. It was sure a good joke on old Jack.

John Irefanenko.

Plamondon, Alberta.

## Answers to Canadian Quiz

1. The "St. Roch" in 1940-42, and in summer of 1944, respectively.
2. Inspector Henry A. Larsen, F.R.G.S. (then a sergeant in the R.C.M.P.). At Burrard Dry Dock, North Vancouver.
3. Captain Roald Amundsen in 1905.
4. Joshua Slocum.
5. The "Spray" in which he was sailing from Bristol Rhode Island to the Orinoco River in 1909, disappeared and he was never heard of again.
6. Halifax, N.S.
7. Labrador — the Labrador Retriever.
8. Belle Isle has a lighthouse 470 feet high and visible for twenty-eight miles; moreover, it was discovered by Cartier.
9. The "Royal William".
10. The Lachine Canal.

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MAY 25, 26, 27

9:00 a.m.

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W. Hollands	90	46.00	23.50	9.50
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Nebraskans	120	62.50	32.50	13.00
Discounts:	Delivery after June 3 deduct 10%.			

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Rouens	48.00	25.00	13.00	5.25
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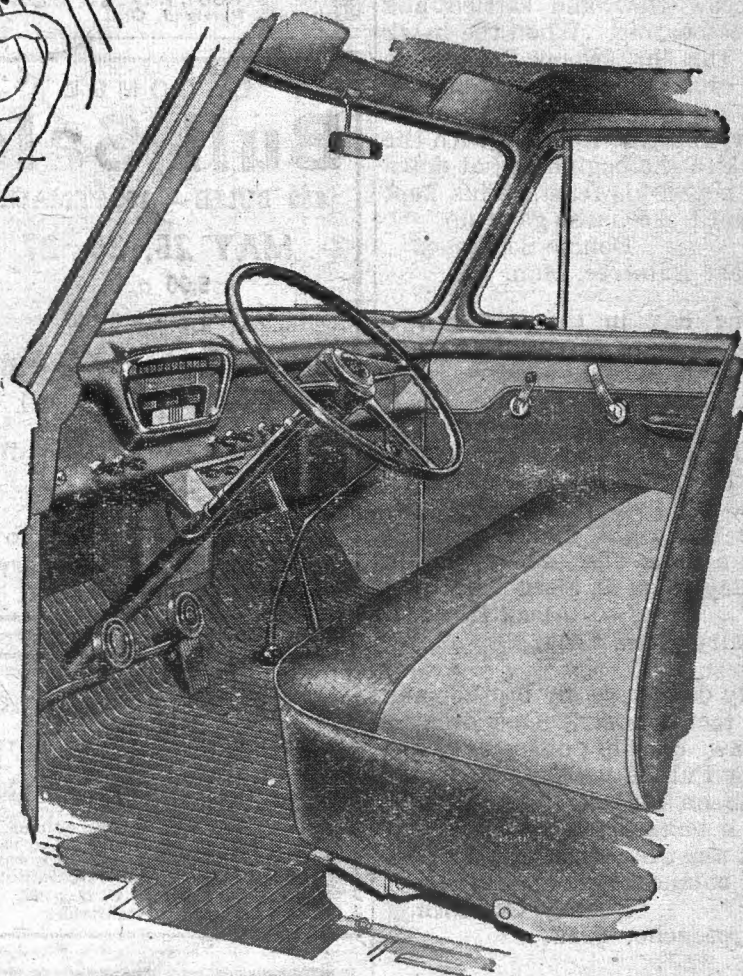
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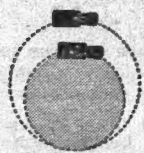
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- New push-button door handles . . . easy to operate, more dependable!

Completely NEW for '53



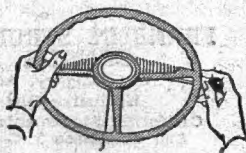
# FORD economy TRUCKS



**NEW STEERING EASE**  
Shorter wheelbases and wider front treads make all '53 Ford Trucks easier to steer than ever before . . . shorter turning radius . . . more manoeuvrability . . . greater front-end stability.



**FOR SMOOTH HANDLING**  
Famous Ford V-8 engines deliver plenty of lively power for tough hauls . . . give smooth, dependable performance mile after mile.



**EFFORTLESS SYNCHRO-SILENT SHIFTING**—Synchro-Silent Shifting on all models means much less effort for the driver, smoother operation in traffic. Automatic Transmission\* and Overdrive\* available in all F-100 Series. Steering-column gearshift standard in F-100, F-250 and F-350 Series. (\*at extra cost).



SEE YOUR FORD TRUCK DEALER

Carry more and carry it farther . . . FOR EVERY TRUCKING DOLLAR